

Limited Site Investigation Report

Carplex Auto Group

330 East Division Street (Parcel No. 00058300)

Arlington, Tarrant County, Texas

EPA Cooperative Agreement No. BF-00F69701-0

June 24, 2014

Terracon Project No. 95137219C.A



Prepared for:

**City of Arlington
Arlington, Texas**

Prepared by:

**Terracon Consultants, Inc.
Fort Worth, Texas**

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June 24, 2014

City of Arlington
101 West Abram Street
PO Box 90231 MS 01-0260
Arlington, Texas 76004-3231
Attn: Ms. Sarah Stubblefield

Telephone: (817) 459-6566
E-mail: Sarah.Stubblefield@arlingtontx.gov

Re: Limited Site Investigation
Carplex Auto Group
330 East Division Street (Parcel No. 00058300)
Arlington, Tarrant County, Texas
Terracon Project No. 95137219C.A
Latitude/Longitude: 32.738705, -97.1036330
EPA Cooperative Agreement No. BF-00F69701-0

Dear Ms. Stubblefield:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Limited Site Investigation (LSI) report for the above-referenced site. This investigation was performed in accordance with Terracon's Property-Specific Sampling and Analysis Plan (PSAP) dated February 19, 2014, and the Generic Quality Assurance Project Plan (QAPP) developed for the City of Arlington Brownfields Assessment Grant.

We appreciate the opportunity to perform these services for City of Arlington. Please contact either of the undersigned at (817) 268-8600 if you have questions regarding the information provided in the report.

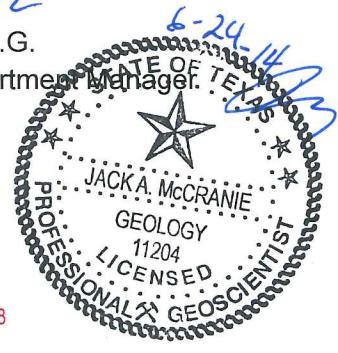
Sincerely,
Terracon

Prepared By:

Kyle C. Lindquist
Environmental Staff Scientist

Reviewed By:

Jack A. McCranie, P.G.
Environmental Department Manager, TXDOE
6-24-14



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LIMITED SITE INVESTIGATION

**CARPLEX AUTO GROUP
330 EAST DIVISION STREET
ARLINGTON, TARRANT COUNTY, TEXAS**

**Terracon Project No. 95137219C.A
June 23, 2014**

1.0 INTRODUCTION

1.1 Site Description

Site Name	Carplex Auto Group
Site Location/Address	330 East Division Street, Arlington, Tarrant County, Texas
General Site Description	Carplex Auto Group occupies the site and typical on-site operations include used auto sales and minor auto repair and detail activities. Additional improvements include concrete and asphalt-paved parking and driveways, utilities and landscaped areas.

A topographic map depicting the location of the site is included as Exhibit 1 (Appendix A), and a site plan depicting the site boundaries, pertinent site features, and sampling locations is included as Exhibit 2 (Appendix A).

1.2 Scope of Work

Terracon Consultants, Inc. (Terracon) conducted a Limited Site Investigation (LSI) at the Carplex Auto Group located at 330 East Division Street in Arlington, Texas (site). At your request, Terracon's LSI was undertaken in response to the results of Terracon's Environmental Site Assessment (ESA Report No. 95137219C), dated December 30, 2013, which identified the following recognized environmental conditions (RECs):

- The historic use of the site as a filling station with two gas tanks and automotive maintenance/repair operations;
- The on-site oil/water separator with heavy staining; and
- The current and historic use of the site for automotive maintenance/repair activities.

The objective of the LSI was to evaluate the presence of total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) in the on-site soils and groundwater at concentrations above relevant laboratory reporting limits as a result of potential releases from the above-mentioned RECs.

Terracon's LSI was conducted in accordance with Terracon's Property-Specific Sampling and Analysis Plan (PSAP) dated February 19, 2014, as authorized by Ms. Ana Esquivel with the USEPA (Region 6) and Ms. Bridgett White with the City of Arlington.

1.3 Standard of Care

Terracon's services were performed in a manner consistent with generally-accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, our client, as set forth in our proposal and were not intended to be in strict conformance with ASTM E1903-11.

1.4 Additional Scope Limitations

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.5 Reliance

This report has been prepared for the exclusive use of City of Arlington, Texas, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of City of Arlington, Texas and Terracon. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, LSI report, and Terracon's Terms and Conditions. The limitation of liability defined in the Terms and Conditions is the aggregate limit of Terracon's liability to the client and all relying parties unless otherwise agreed in writing. Client may distribute copies of the reports to third parties for informational purposes, however such distribution shall not be construed as a grant of reliance unless the receiving party signs a reliance agreement.

2.0 GEOPHYSICAL SURVEY

Due to the absence of information regarding the removal status of the documented on-site fuel USTs, Terracon contracted AEI Environmental & Engineering Consultants, Inc. (AEI) to conduct a Geophysical Reconnaissance Survey (GRS) at the site. The GRS survey was conducted by AEI on June 16, 2014. The Geophysical Survey included the use of ground penetrating radar (GPR) using a 400 MHz antenna set to a depth of 50 nanoseconds or about 10 feet in an effort to identify potential residual components of the underground fuel system. A copy of the AEI Geophysical Reconnaissance Survey is included as Appendix E of this LSI report.

2.1 Ground Penetrating Radar

Based on the results of the ground penetrating radar survey, no tanks were detected on-site, but the area surveyed on the northwest portion of the site exhibited a distinct disturbed area about 15' wide by 15' long and at least 8' deep. In addition, several linear anomalies were identified near the northern portion of the site, which appeared to consist of utilities. The GPR Survey report is attached in Appendix E.

3.0 FIELD ACTIVITIES

3.1 Borings and Monitoring Wells

Terracon's field activities were conducted on May 15 and May 16, 2014 by Mr. Kyle C. Lindquist and Mr. R. Wade Watkins, Terracon environmental professionals. As part of the approved PSAP, four permanent groundwater monitoring wells (MW-1 through MW-4) were advanced on the site. Exhibit 2 (Appendix A) is a site plan that indicates the approximate locations of the monitoring wells in relation to the pertinent structures and general site boundaries.

Drilling services were performed by Sunbelt Industrial Services, Inc., a State of Texas licensed monitoring well driller, using a truck-mounted hollow stem auger (HSA) drilling rig under the supervision of a Terracon environmental scientist. Soil samples were collected using five-foot core barrel samplers. Drilling augers and core-barrel samplers were cleaned using a high-pressure washer prior to beginning the project and before beginning each soil boring. Non-dedicated sampling equipment and direct-push sample tubes were cleaned using an Alconox® wash and potable water rinse prior to the beginning of the project and before collecting each soil sample.

Soil samples were collected continuously and observed to document soil lithology, color, moisture content and sensory evidence of impairment. The soil samples were field-screened using a photoionization detector (PID – Ion Science PhoCheck® Tiger) to indicate the presence of VOCs.

Limited Site Investigation

Carplex Auto Group ■ Arlington, Texas
June 24, 2014 ■ Terracon Project No. 95137219C.A



The general soil lithology encountered during sample collection consisted of the following:

- Silty Clay – from beneath concrete/asphalt surface to a depth of 10 to 15 feet below grade surface (bgs).
- Fine-grained to Medium-grained Sand – from 10 to 15 feet bgs to the terminus of the soil borings at depths of 20 feet bgs.

Detailed lithologic descriptions are presented on the soil boring logs included in Appendix B.

Groundwater was encountered during the advancement of soil borings MW-1 through MW-4 at approximate depths ranging from 13 feet bgs to 16 feet bgs. Depth to groundwater measurements collected during groundwater sample collection ranged from 10.20 (MW-1) to 10.69 (MW-4) feet bgs. The groundwater flow direction and the depth to shallow groundwater would likely vary depending upon seasonal variations in rainfall and site-specific geologic and hydrogeologic conditions. Without the benefit of the on-site groundwater monitoring wells surveyed to a datum, groundwater flow direction beneath the site cannot be ascertained.

Odors and/or staining were not detected in the soil samples collected from soil borings MW-1 through MW-4. PID readings ranging from less than one part per million (ppm) to 2.2 ppm were detected in the soil samples collected from soil borings MW-1 through MW-4. The highest PID reading of 2.2 ppm was detected in soil boring MW-3 at a depth of 2 to 3 feet bgs. The PID readings are included on the soil boring logs presented in Appendix B.

Subsequent to advancement, soil borings MW-1 through MW-4 were converted to flush-mounted groundwater monitoring wells. The monitoring wells were completed using the following methodology:

- Installation of 10 to 15 feet of 2-inch diameter, 0.010-inch machine-slotted PVC well screen with a threaded bottom cap;
- Installation of 5 to 10 feet of 2-inch diameter, threaded, flush-joint PVC riser pipe to the surface;
- Addition of a pre-sieved 20/40-grade annular silica sand pack from the bottom of the boring to approximately 2 feet above the top of the well screen;
- Addition of at least 2 feet of hydrated bentonite seal from above the sand pack filter zone to the near surface; and,
- Installation of an 8-inch diameter, circular, bolt-down, steel, monitoring well cover with locking well cap inset in a flush-mount, concrete well pad.

The monitoring well construction details are presented on the soil boring logs for these monitoring wells, which are included in Appendix B.

The monitoring wells were developed by surging and removing groundwater with a new, disposable, polypropylene bailer a minimum of three well casing volumes of groundwater. Approximately five gallons of groundwater were removed from each monitoring well during development activities.

Soil cuttings, groundwater and equipment cleaning water generated during the field activities were placed in Department of Transportation (DOT) approved, 55-gallon steel drums, and were closed and appropriately labeled with project-specific information and initial accumulation date. A total of six 55-gallon drums containing soil cuttings and two 55-gallon drums containing groundwater and equipment cleaning water were generated during these field services. Subsequent characterization, the drums were removed and disposed of properly in accordance with applicable local, state and federal regulations.

3.2 Soil and Groundwater Sampling

Terracon's soil sampling program involved submitting two soil samples from each soil boring for laboratory analysis. The soil samples collected from the interval exhibiting the highest likelihood of environmental impact based on the field professional's judgment in each soil boring was selected for laboratory analysis. This sampling rationale was applied for soils in the unsaturated or vadose zone since applicable regulations consider soils beneath the water table part of the groundwater bearing unit. Additional soil samples were submitted to the laboratory and placed on hold for potential contingent analyses if deemed warranted based on the initial analytical results. Soil sample intervals for each boring are presented with the soil sample analytical results (Table 1, Appendix C), and are provided on the lithologic boring logs included in Appendix B.

One groundwater sample was collected from each monitoring well for laboratory analysis, utilizing low-flow sampling equipment. Prior to sample collection, each monitoring well was micro-purged until consistent values were obtained for select geochemical parameters.

Soil and groundwater samples were collected into laboratory-prepared glassware containing the appropriate preservative, labeled, and placed on ice in sample coolers. The sample coolers were secured with a custody seal and shipped to the selected analytical laboratory. The sample coolers and completed chain-of-custody forms were relinquished to DHL Analytical in Round Rock, Texas for analysis on normal turnaround.

4.0 LABORATORY ANALYTICAL METHODS

The soil and groundwater samples collected from soil borings/monitoring wells MW-1 through MW-4 were analyzed for TPH using TCEQ Method TX 1005 and VOCs using EPA SW-846 Method 8260B. In addition, per the approved Property-Specific Sampling and Analysis Plan (PSAP), cleaning blanks, rinsate blanks and duplicate soil and groundwater samples were prepared and analyzed for select analyses for quality control (QC) purposes.

Laboratory results are summarized in the tables included in Appendix C and the executed chain-of-custody forms and laboratory data packages are provided in Appendix D.

5.0 DATA EVALUATION

Depending on the source area investigated, Terracon compared the detected chemicals of concern (COC) concentrations to the Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Action Levels, as defined in the TCEQ guidance *Determining Which Releases are Subject to TRRP*, revised November 19, 2010 and to the TCEQ petroleum storage tank (PST) field guidance document RG-411, revised August 2012. Per the guidance, TRRP Action Levels and PST Program Action and Screening Levels are defined as the Residential Tier 1 Critical Protective Concentration Levels (PCLs) assuming a 0.5-acre source area and Class 1 groundwater.

Constituent concentrations qualified with J-flag (J) indicate the constituent was detected at a concentration above the laboratory sample detection limit (SDL), but below the laboratory report detection limit (RDL). Constituent concentrations qualified with a J-flag are considered estimated values.

Acetone and 2-butanone are considered common analytical laboratory contaminants. Thus, the concentrations of acetone and 2-butanone detected in the soil sample may be attributable to laboratory interference.

5.1 Soil Samples

TPH Analysis

TPH was not detected at concentrations exceeding laboratory sample detection limits (SDLs) in the soil samples collected from soil borings MW-1 through MW-4, as summarized in Table 1 (Appendix C).

VOCs Analysis

VOCs were not detected at concentrations exceeding laboratory SDLs in the soil samples collected from soil borings MW-1 through MW-4, with the exception of 2-butanone and acetone concentrations detected in soil boring MW-3 at a depth of 2 to 3 feet bgs.

The 2-butanone and acetone concentrations detected in the soil sample collected from soil boring MW-3 were below the applicable TRRP Action Levels for these constituents. Refer to Table 1 (Appendix C) for a complete summary of the soil VOC analytical results.

5.2 Groundwater Samples

TPH Analysis

TPH was not detected at concentrations exceeding laboratory SDLs in the groundwater samples collected from monitoring wells MW-1 through MW-4, as summarized in Table 2 (Appendix C).

VOCs Analysis

Methyl tert-butyl ether (MTBE) (0.00502 mg/L) was detected at a concentration above the laboratory SDL in the groundwater sample collected from monitoring well MW-2. VOCs were not detected at concentrations above laboratory SDLs in groundwater samples collected from monitoring wells MW-1, MW-3 and MW-4.

The MTBE concentration detected in the groundwater sample collected from monitoring well MW-2 was below the applicable PST Action Level for this constituent. Refer to Table 2 (Appendix C) for a complete summary of the groundwater VOC analytical results.

5.3 QA/QC Analysis

Terracon collected a field duplicate soil sample from soil boring MW-3 (DUP-3 for VOCs and TPH). 2-butanone and acetone concentrations were detected in the original and duplicate soil samples collected from soil boring MW-3 above laboratory SDLs. When comparing the detected concentrations in the original and duplicate soil samples the concentrations were within the 20% relative percent difference (RPD), which is the acceptable RPD level according to the Arlington Generic QAPP. Based on laboratory analytical results, the duplicate and original soil sample collected from soil boring MW-3 did not indicate the presence of TPH above laboratory SDLs.

Terracon collected a field duplicate groundwater sample from monitoring well MW-4 (DUP-4 for VOCs and TPH). Based on laboratory analytical results, the duplicate and original groundwater sample collected from monitoring well MW-4 did not indicate the presence of TPH or VOCs above laboratory SDLs.

One trip blank, as sealed and provided by DHL Analytical, was submitted with each cooler of soil and groundwater samples. The trip blanks submitted with soil samples on May 15, 2014 and groundwater samples on June 5, 2014 did not exhibit concentrations of VOCs above laboratory SDLs.

Two equipment cleaning blanks were collected during field activities. One equipment cleaning blank was collected by Terracon during soil sampling activities on May 15, 2014 and one equipment cleaning blank was collected by Terracon during groundwater sampling activities on June 5, 2014. Concentrations of TPH were not detected in the equipment cleaning blanks associated with soil and

Limited Site Investigation

Carplex Auto Group ■ Arlington, Texas
June 24, 2014 ■ Terracon Project No. 95137219C.A



groundwater sampling activities. Acetone was detected in the equipment cleaning blank collected during soil sampling activities on May 15th at a concentration above the laboratory SDL; however, the concentration did not exceed its respective TRRP Tier 1 PCL. VOC concentrations were not detected in the equipment cleaning blank collected during groundwater sampling activities on June 5th at concentrations above laboratory SDLs. It should be noted that acetone is considered a common analytical laboratory reagent; therefore, may be attributable to laboratory interference.

Two rinsate blanks were also collected during field activities. One rinsate blank was collected by Terracon during soil sampling activities on May 15, 2014 and one rinsate blank was collected by Terracon during groundwater sampling activities on June 5, 2014. Concentrations of TPH were not detected in the rinsate blanks associated with soil and groundwater sampling activities. Acetone was detected in the rinsate blank collected during soil sampling activities on May 15th at a concentration above the laboratory SDL; however, the concentration did not exceed its respective TRRP Tier 1 PCL. The rinsate blank collected during groundwater sampling activities on June 5th did not exhibit VOC concentrations above the laboratory SDLs. It should be noted that acetone is considered a common analytical laboratory reagent; therefore, may be attributable to laboratory interference.

An MS/MSD analysis was performed on the soil sample collected from soil boring MW-3 (VOCs and TPH) and the groundwater sample collected from monitoring well MW-4 (VOCs and TPH). Review of the Laboratory Review Checklist (LRC) indicated that the precision measurements between the MS/MSD recoveries were inside the control limits.

6.0 FINDINGS AND RECOMMENDATIONS

The findings of this investigation are as follows:

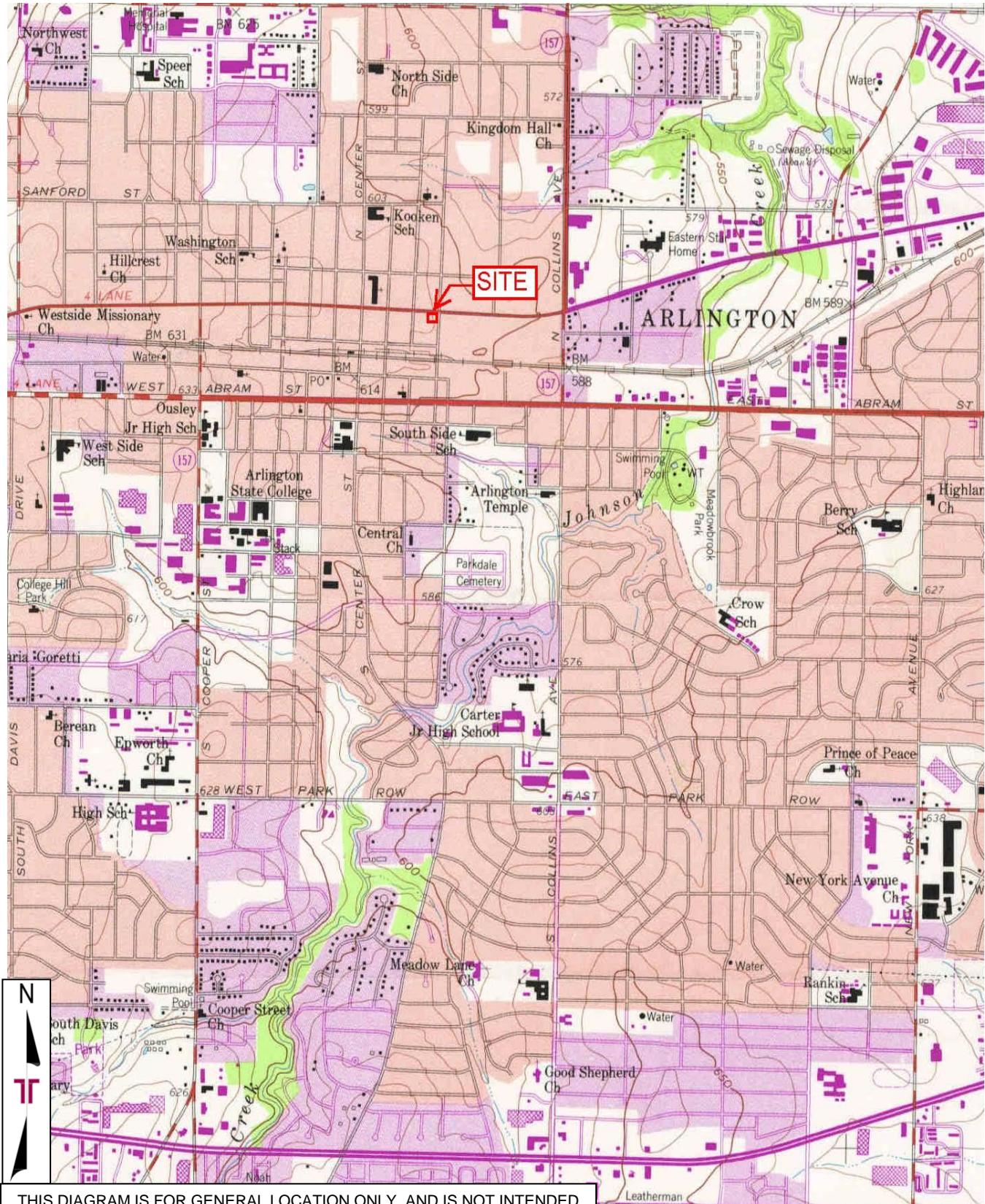
- According to the AEI GPR report, no underground storage tanks were detected on-site, but a distinct disturbed area about 15' wide by 15' long and at least 8' deep was encountered on the northwest portion of the site. Based on the GPR Survey, it does not appear that USTs remain on-site. However, if USTs are encountered during site re-development, Terracon recommends removal of the USTs in general accordance with American Petroleum Institute (API) Recommended Practice 1604, Closure of Underground Petroleum Storage Tanks, dated March 1, 1996, and in accordance with Texas Commission on Environmental Quality (TCEQ) Regulatory Guidance RG-411, Investigating and Reporting Releases from Petroleum Storage Tanks (PSTs), dated August 2012.
- Based on the analytical results, 2-butanone and acetone were detected at concentrations above laboratory SDLs in the soil sample collected from soil boring MW-3. However, the detected VOC concentrations were below their applicable TRRP Tier 1 Critical PCLs and are not subject to TRRP.
- Based on the analytical results, MTBE was detected at a concentration above the laboratory SDL in the groundwater sample collected from monitoring well MW-2. However, the detected MTBE concentration was below the applicable TRRP and PST Action Levels.

The recommendations of this investigation are as follows:

- Based on review of the analytical results from soil and groundwater samples collected during this LSI, the site does not appear to be affected by a release of COCs at concentrations exceeding applicable TCEQ risk-based regulatory standards. Therefore, no further investigation appears warranted at this time.
- Based on the analytical results, the investigation-derived waste (IDW) soils, purged groundwater, and equipment cleaning water were characterized as non-hazardous waste and were disposed in accordance with applicable local, state and federal regulations.
- The monitoring wells installed during this investigation were plugged and abandoned in accordance with state regulations and guidance.

APPENDIX A

Exhibit 1 – Topographic Map
Exhibit 2 – Site Plan

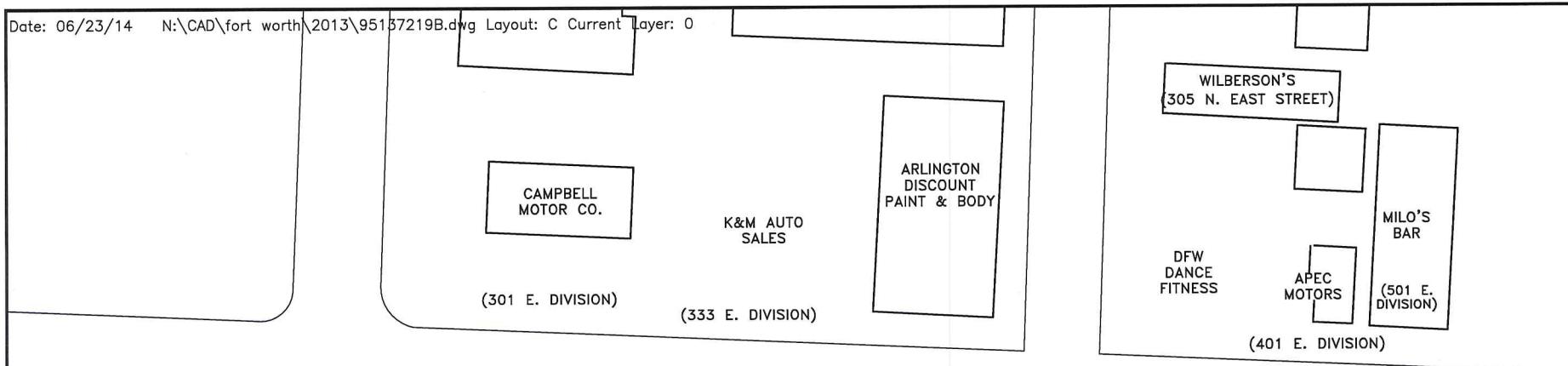


Project No.	95137219C.A
Scale:	1" = 2,000'
Quad Name:	Arlington, Texas
Date:	1981

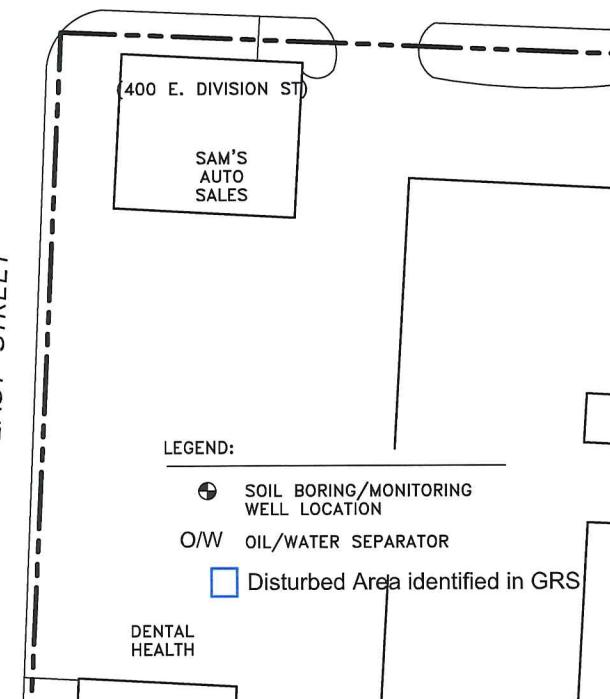
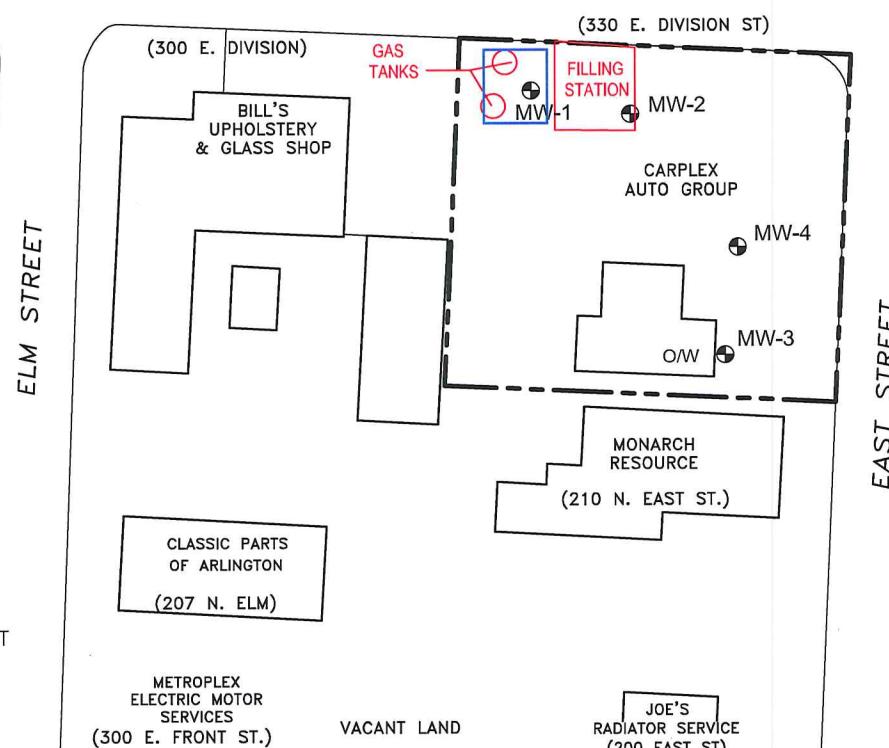


TOPOGRAPHIC MAP
Carplex Auto Group
330 East Division Street
Arlington, Tarrant County, Texas

EXHIBIT
1



EAST DIVISION STREET



SITE DIAGRAM

CARPLEX AUTO GROUP
330 EAST DIVISION STREET
ARLINGTON, TEXAS

EXHIBIT

2

Project Mngr:	MNE
Drawn By:	CDD
Checked By:	MNE
Approved By:	JM

Project No. 95137219C
Scale: AS SHOWN
Date: 06/23/14

Terracon
Consulting Engineers and Scientists
(Registration No. F-3272)
2501 EAST LOOP 820 N. FORT WORTH, TX 76118
PH. (817) 268-8600 FAX. (817) 268-8602

APPENDIX B

Boring Logs

SOIL BORING / MONITORING WELL LOG

PROJECT: CARPLEX AUTO GROUP
 PROJECT NUMBER: 95137219C.A
 CLIENT: City of Arlington
 BORING / WELL NUMBER: MW-1
 TOTAL DEPTH: 20.0'
 TOP OF CASING: N/A
 FIELD PERSONNEL: R. Wade Watkins

DRILLING COMPANY: Sunbelt Industrial Services
 DRILLER: R. Alcala
 DRILLING METHOD: Hollow Stem Auger
 BORE HOLE DIAMETER: 7 1/4"
 SCREEN: Diam. 2.0" Length 10.0' Slot Size 0.010"
 CASING: Diam. 2.0" Length 10.0' Type PVC
 DATE DRILLED: 5-16-14

PAGE 1 of 1

DEPTH (FT)	SOIL SYMBOL	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM		DEPTH (FT)
0			<1		1.0	0.4	ASPHALT		0
			<1		2.0	1.0	SILTY SAND, with gravel, brown, moist, no odors		
			<1		3.0		SANDY CLAY, red brown, moist, no odor		
			<1		4.0				
5			<1		5.0	5.0	CLAYEY SAND, red brown, moist, no odor		5
			<1		6.0		SILTY SAND, red brown, moist, no odor		
			<1		7.0				
			<1		8.0		SILTY SAND, brown, moist, no odor		
			<1		9.0				
10			<1		11.0		SANDSTONE, brown, weathered		10
			<1		15.0				
15							SILTY SAND, brown, wet, no odor		15
20					20.0		Bottom of boring at 20.0'		20
25									25
30									30
REMARKS:									
THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.									

SOIL BORING / MONITORING WELL LOG

PROJECT: CARPLEX AUTO GROUP
 PROJECT NUMBER: 95137219C.A
 CLIENT: City of Arlington
 BORING / WELL NUMBER: MW-2
 TOTAL DEPTH: 20.0'
 TOP OF CASING: N/A
 FIELD PERSONNEL: K. Lindquist

DRILLING COMPANY: Sunbelt Industrial Services
 DRILLER: R. Flair
 DRILLING METHOD: Hollow Stem Auger
 BORE HOLE DIAMETER: 8"
 SCREEN: Diam. 2.0" Length 10.0' Slot Size 0.010"
 CASING: Diam. 2.0" Length 10.0' Type PVC
 DATE DRILLED: 5-16-14

PAGE 1 of 1

DEPTH (FT)	SOIL SYMBOL	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM		DEPTH (FT)
0				<1		0.5	6" ASPHALT	SILTY CLAY, brown with orange, moist, no odor	0
5				<1		3.0			5
				<1		4.0			
				<1		5.0			
10				<1			SANDY SILT, brown with orange, moist, no odors		10
				<1		7.0			
				<1		8.0			
				<1		10.0			
15				<1			SANDY SILT, brown, moist, no odor		15
				<1		12.0			
				1.3		13.0			
				<1		14.0			
				<1		15.0	SAND, brown and tan, moist, no odors		
				<1			SAND, tan, moist, no odors		
20				<1		20.0	Bottom of boring at 20.0'		20
25									25
30									30
REMARKS:									
THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.									

SOIL BORING / MONITORING WELL LOG

PROJECT: CARPLEX AUTO GROUP
 PROJECT NUMBER: 95137219C.A
 CLIENT: City of Arlington
 BORING / WELL NUMBER: MW-3
 TOTAL DEPTH: 20.0'
 TOP OF CASING: N/A
 FIELD PERSONNEL: K. Lindquist

DRILLING COMPANY: Sunbelt Industrial Services
 DRILLER: R. Flair
 DRILLING METHOD: Hollow Stem Auger
 BORE HOLE DIAMETER: 8"
 SCREEN: Diam. 2.0" Length 15.0' Slot Size 0.010"
 CASING: Diam. 2.0" Length 5.0' Type PVC
 DATE DRILLED: 5-16-14

PAGE 1 of 1

DEPTH (FT)	SOIL SYMBOL	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM		DEPTH (FT)
0				1.7		0.5	6" ASPHALT		0
				1.4		2.0	CLAY, brown, moist, no odors		
				2.2		3.0	CLAY, light brown with orange, moist, no odors		
				1.8					
				<1		5.0			
5				<1			SANDY SILT, light brown, moist, no odors		5
				<1					
				<1					
				<1					
				<1					
10				<1		7.0			10
				<1		8.0			
				<1					
				<1		10.0	10.0		
				<1		11.0	11.0	SAND, tan, saturated, no odor	
				<1					
				<1			SANDY SILT, tan, no odors		
15				<1					15
				<1					
				<1					
				<1					
				<1					
				<1					
20				<1		20.0	Bottom of boring at 20.0'		20
				<1					
				<1					
				<1					
25				<1					25
				<1					
				<1					
				<1					
30				<1					30
REMARKS:									
THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.									

SOIL BORING / MONITORING WELL LOG

PROJECT: CARPLEX AUTO GROUP
 PROJECT NUMBER: 95137219C.A
 CLIENT: City of Arlington
 BORING / WELL NUMBER: MW-4
 TOTAL DEPTH: 20.0'
 TOP OF CASING: N/A
 FIELD PERSONNEL: K. Lindquist

DRILLING COMPANY: Sunbelt Industrial Services
 DRILLER: R. Flair
 DRILLING METHOD: Hollow Stem Auger
 BORE HOLE DIAMETER: 8"
 SCREEN: Diam. 2.0" Length 10.0' Slot Size 0.010"
 CASING: Diam. 2.0" Length 10.0' Type PVC
 DATE DRILLED: 5-16-14

PAGE 1 of 1

DEPTH (FT)	SOIL SYMBOL	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM		DEPTH (FT)
0				<1		0.5	6" ASPHALT	SILTY CLAY, reddish orange, moist, no odors	0
				<1		2.0			
				<1		3.0			
				<1		5.0			
5				<1			SANDY SILT, reddish light brown, moist, no odor		5
				<1		7.0			
				<1		8.0			
				<1		10.0			
10				<1			SANDY SILT, light brown with orange, moist, no odor		10
				<1		12.0			
				<1		13.0			
				<1		15.0			
15				<1			SAND, light brown with orange and gray, moist, no odor		15
				<1					
				<1					
				<1					
				<1					
20						20.0	Bottom of boring at 20.0'		20
25									25
30									30
REMARKS:									
THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.									

APPENDIX C

Table 1 – Soil Analytical Summary (VOCs and TPH)

Table 2 – Groundwater Analytical Summary (VOCs and TPH)

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS - VOCs¹ and TPH² (TX 1005)
 Carplex Auto Group
 330 East Division Street
 Arlington, Tarrant County, Texas
 Terracon Project No. 95137219C.A

Sample I.D.	Sample Depth (feet bgs)	Sample Date	VOCs ³ (mg/kg)	TPH (TX 1005) (mg/kg)				
				C6-C12	>C12-C28	>C28-C35	C6-C35	
MW-1	2 - 3	5/16/2014	Not Detected	<	<	<	<	
	8 - 9		Not Detected	<	<	<	<	
MW-2	3 - 4	5/15/2014	Not Detected	<	<	<	<	
	12 - 13		Not Detected	<	<	<	<	
MW-3	2 - 3	5/15/2014	2-Butanone - 0.0494 Acetone - 0.508	<	<	<	<	
	7 - 8		Not Detected	<	<	<	<	
DUP-3	2 - 3	5/15/2014	2-Butanone - 0.0474 Acetone - 0.424	<	<	<	<	
MW-4	2 - 3	5/15/2014	Not Detected	<	<	<	<	
	7 - 8		Not Detected	<	<	<	<	
Texas Risk Reduction Program (TRRP) Action Levels ⁴			2-Butanone - 29 Acetone - 43	TRRP-27 Tier 1 TPH PCL Screening Criteria/Action Levels: C ₆ -C ₁₂ - 65 mg/kg >C ₁₂ -C ₃₅ - 200 mg/kg				
TCEQ PST Program (30 TAC 334) Surface Soil (0 -15 ft) Action Levels, Effective September 1, 2011			Benzene - 0.12 Toluene - 39.1 Ethylbenzene - 36.8 Xylenes, Total - 117 MTBE - 2.56	There are no published PST Action Levels for TPH under the PST Program; however, TPH is utilized to screen for polycyclic aromatic hydrocarbons (PAHs). TPH (>C12) was not detected above laboratory reporting limits; therefore, subsequent analysis for PAHs was not warranted.				
TCEQ PST Program (30 TAC 334) Subsurface Soil (>15 ft) Action Levels, Effective September 1, 2011			Benzene - 0.12 Toluene - 39.1 Ethylbenzene - 36.8 Xylenes, Total - 117 MTBE - 2.56					

1. VOCs = Volatile organic compounds analyzed by EPA Method 8260B

2. TPH = Total petroleum hydrocarbons analyzed by TCEQ Method TX 1005

3. Only those constituents detected above the laboratory sample detection limit (SDL) are reported

4. Defined in TCEQ guidance as the TRRP Tier 1 Critical Protective Concentration Level (PCL) assuming Residential land use and a 0.5-acre source area

< = Constituent not detected above the laboratory SDL

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS - VOCs¹ and TPH² (TX 1005)
 Carplex Auto Group
 330 East Division Street
 Arlington, Tarrant County, Texas
 Terracon Project No. 95137219C.A

Sample I.D.	Sample Date	VOCs ³ (mg/L)	TPH (TX1005 Rev. 3) (mg/L)			
			C6-C12	>C12-C28	>C28-C35	C6-C35
MW-1	6/5/2014	Not Detected	<	<	<	<
MW-2	6/5/2014	MTBE - 0.00502	<	<	<	<
MW-3	6/5/2014	Not Detected	<	<	<	<
MW-4	6/5/2014	Not Detected	<	<	<	<
DUP-4	6/5/2014	Not Detected	<	<	<	<
CBS-1 ⁵ (Cleaning Blank)	5/15/2014	Acetone - 0.00987 J	<	<	<	<
CBW-1 ⁶ (Cleaning Blank)	6/5/2014	Not Detected	<	<	<	<
RBS-1 ⁵ (Rinsate Blank)	5/15/2014	Acetone - 0.0102 J	<	<	<	<
RBW-1 ⁶ (Rinsate Blank)	6/5/2014	Not Detected	<	<	<	<
Trip Blank ⁵	5/15/2014	Not Detected	---	---	---	---
Trip Blank ⁶	6/5/2014	Not Detected	---	---	---	---
Texas Risk Reduction Program (TRRP) Action Levels ⁴		Acetone - 22 MTBE - 0.24	TRRP-27 Tier 1 TPH PCL Screening Criteria/Action Levels: C ₆ -C ₁₂ - 0.98 mg/L >C ₁₂ -C ₃₅ - 0.98 mg/L			
TCEQ PST Program (30 TAC 334) Action Levels, Effective September 1, 2011		Benzene - 0.005 Toluene - 1 Ethylbenzene - 0.7 Xylenes, Total - 10 MTBE - 0.24	<i>There are no published PST Action Levels for TPH under the PST Program; however, TPH is utilized to screen for polycyclic aromatic hydrocarbons (PAHs). TPH (>C12) was not detected above laboratory reporting limits; therefore, subsequent analysis for PAHs was not warranted</i>			

1. VOCs = Volatile organic compounds analyzed by EPA Method 8260B

2. TPH = Total petroleum hydrocarbons analyzed by TCEQ Method TX 1005

3. Only those constituents detected above the laboratory sample detection limit (SDL) are reported

4. Defined in TCEQ guidance as the TRRP Tier 1 Critical Protective Concentration Level (PCL) assuming Residential land use and a 0.5-acre source area

5. Aqueous QA/QC Blanks that were collected as a part of soil sampling activities

6. Aqueous QA/QC Blanks that were collected as a part of groundwater sampling activities

--- = Not analyzed

< = Constituent not detected above the laboratory SDL

(J) = Estimated value, value is above the laboratory SDL, but below the laboratory report detection limit (RDL)

APPENDIX D

Laboratory Data Sheets



May 29, 2014

Kyle Lindquist
Terracon
2501 East Loop 820 North
Ft Worth, TX 76118
TEL: (817) 268-8600
FAX (817) 268-8602
RE: Carplex Auto Group

Order No.: 1405211

Dear Kyle Lindquist:

DHL Analytical, Inc. received 17 sample(s) on 5/17/2014 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

A handwritten signature in red ink, appearing to read "John DuPont".

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-14-12



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2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: www.dhlanalytical.com
E-Mail: login@dhlanalytical.com



Nº 65464

CHAIN-OF-CUSTODY

Terracon
Consulting Engineers & Scientists

Office Location Fort Worth, TX

Project Manager 951372196.A

Sampler's Name

R. WADE WATKINS

Laboratory: DHL Analytical

Address: Round Rock TX

Contact: J. DuPont

Phone:

PO/SO #:

Sampler's Signature R. Wade Watkins

**ANALYSIS
REQUESTED**

Lab use only
Due Date:

Temp. of coolers
when received (C)27

1 2 3 4 5

Page _____ of _____

*Custody
seal
Mad*

*Ver's Sample
TPH TH005*

Lab Sample ID (Lab Use Only)

Proj. No.	Project Name	No./Type of Containers
<u>R.WW/KL</u>	<u>Carplex Auto Group</u>	

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1L	250 ml	P/O
14	S 5/16/14	1040		X	MW-1 (1-2')						2
15		1045			MW-1 (2-3')						
14		1055			MW-1 (5-6')						
17		1100		↓	MW-1 (8-9")						
<i>NFE R. Wade Watkins</i>											
<i>5/16/14 R. Wade Watkins</i>											

Turn around time Normal 25% Rush 50% Rush 100% Rush

Relinquished by (Signature) <u>R. Wade Watkins</u>	Date: <u>5/16/14</u>	Time: <u>1600</u>	Received by: (Signature) <u>LSO</u>	Date: <u>5/16/14</u>	Time: <u>1600</u>	NOTES:
Relinquished by (Signature) <u>R. Wade Watkins</u>	Date: <u>5/16/14</u>	Time: <u>1600</u>	Received by: (Signature) <u>LSO</u>	Date: <u>5/16/14</u>	Time: <u>1600</u>	
Relinquished by (Signature) <u>R. Wade Watkins</u>	Date: <u>5/16/14</u>	Time: <u>1600</u>	Received by: (Signature) <u>LSO</u>	Date: <u>5/16/14</u>	Time: <u>1600</u>	
Relinquished by (Signature) <u>R. Wade Watkins</u>	Date: <u>5/16/14</u>	Time: <u>1600</u>	Received by: (Signature) <u>LSO</u>	Date: <u>5/16/14</u>	Time: <u>1600</u>	

Matrix Container	WW - Wastewater VOA - 40 ml vial	W - Water A/G - Amber / Or Glass	S - Soil 1 Liter	SD - Solid 250 ml	L - Liquid Glass wide mouth	A - Air Bag P/O - Plastic or other	C - Charcoal tube	SL - sludge 4 oz - glass jar	O - Oil
------------------	----------------------------------	----------------------------------	------------------	-------------------	-----------------------------	------------------------------------	-------------------	------------------------------	---------

Houston Office
11555 Clay Road, Suite 100
Houston, Texas 77043
(713) 690-8989 Fax (713) 690-8787

Dallas Office
8901 Carpenter Freeway, Suite 100
Dallas, Texas 75247
(214) 630-1010 Fax (214) 630-7070

Fort Worth Office
2601 Gravel Drive
Fort Worth, Texas 76118
(817) 268-8600 Fax (817) 268-8602

Austin Office
5307 Industrial Oaks Blvd. # 160
Austin, Texas 78735
(512) 442-1122 Fax (512) 442-1181

Midland Office
24 Smith Rd., # 261
Midland, Texas 79705
(432) 684-9600 Fax (432) 684-9608



WWW.LSO.COM
Questions? Call 800-800-8984

Airbill No. 48111180



48111180

1. To: *Kyle Midwest 368-8332*

Print Name (Person) *Kyle Midwest* Phone (Important) *368-8332*

Company Name *CAR UNLIMITED*

Street Address (No P.O. Box or P.O. Box Zip Code Deliveries) *1300 Doubletree Rd.*

Suite / Floor

City *Round Rock TX* State *TX* Zip *78664*

3. Service: Visit www.lso.com for availability of services to your destination and enjoy added features by creating your shipping label online.

LSO Priority Overnight*
By 10:30 a.m. to most cities

LSO Saturday*
(mark)

LSO Early Overnight*
By 8:30 a.m. select cities

Other _____

LSO Economy Next Day*
By 3 p.m. to most cities

*Check commitment times and availability at www.lso.com

LSO Ground
Assumed LSO Priority Overnight service unless otherwise noted.

Deliver Without Delivery Signature (See Limits of Liability below)

Release Signature _____

L _____ x W _____ x H _____

2. From: *Kyle Midwest 368-8332*

Print Name (Person) *Kyle Midwest* Phone (Important) *368-8332*

Company Name *Terracor*

Street Address *3518 Hwy 60 North*

Suite / Floor

City *Denton TX* State *TX* Zip *77118*

4. Package: Weight: *442*

Your Company's Billing Reference Information

Ship Date: (mm/dd/yy) / /

FOR DRIVER USE ONLY

Driver Number *442*

Check here if LSO Supplies are used with LSO Ground Service.

5. Payment:

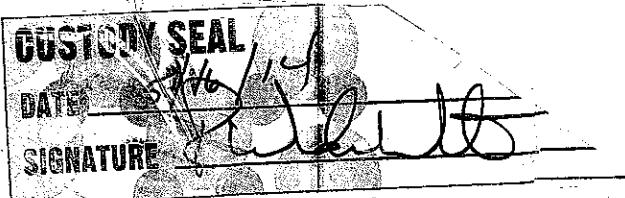
Pick-up Location *Signatures*

Date: *10/10/12*

Time:

City Code: *105*

LIMIT OF LIABILITY: We are not responsible for claims in excess of \$100 for any reason unless you: 1) declare a greater value (not to exceed \$25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR LSO EARLY OVERNIGHT SERVICE. PACKAGING PROVIDED BY LSO IS NOT INTENDED FOR USE ON LSO GROUND SERVICE. OVERSIZE RATES MAY APPLY. DELIVERY COMMITMENTS MAY VARY. ADDITIONAL FEES MAY APPLY.



DHL Analytical, Inc.

Sample Receipt Checklist

Client Name Terracon

Date Received: 5/17/2014

Work Order Number 1405211

Received by JB

Checklist completed by



5/19/2014

Signature

Date

Reviewed by



5/19/2014

Initials

Date

Carrier name LoneStar

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	2.7 °C
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT # _____
Water - pH>9 (S) or pH>12 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT # _____
Adjusted? _____	Checked by _____		
Adjusted? _____	Checked by _____		

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Carplex Auto Group		Date: 5/29/14					
Reviewer Name: Carlos Castro		Laboratory Work Order: 1405211					
Prep Batch Number(s): See Prep Dates Report		Run Batch: See Analytical Dates Report					
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-Custody (C-O-C)					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R1-01
R2	OI	Sample and Quality Control (QC) Identification				X	
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
R3	OI	2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
		Test Reports					
R4		1) Were all samples prepared and analyzed within holding times?	X				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		3) Were calculations checked by a peer or supervisor?	X				
		4) Were all analyte identifications checked by a peer or supervisor?	X				
		5) Were sample detection limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?	X				
		7) Were % moisture (or solids) reported for all soil and sediment samples?	X				
		8) Were bulk soils/solids samples for volatile analysis extracted with methanol per EPA Method 5035?	X				R3-08
		9) If required for the project, TICs reported?		X			
R4	O	Surrogate Recovery Data					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test Reports/Summary Forms for Blank Samples					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Where method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blank concentrations < MQL?	X				
R6	OI	Laboratory Control Samples (LCS):					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		6) Was the LCSD RPD within QC limits (if applicable)?	X				
R7	OI	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		4) Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical Duplicate Data					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	Method Quantitation Limits (MQLs):					
		1) Are the MQLs for each method analyte included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		3) Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other Problems/Anomalies					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		3) Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Carplex Auto Group		Date: 5/29/14				
Reviewer Name: Carlos Castro		Laboratory Work Order: 1405211				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴
S1	OI	Initial Calibration (ICAL)				
		1) Were response factors and/or relative response factors for each analyte within QC limits?	X			
		2) Were percent RSDs or correlation coefficient criteria met?	X			
		3) Was the number of standards recommended in the method used for all analytes?	X			
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X			
		5) Are ICAL data available for all instruments used?	X			
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X			
S2	OI	Initial and Continuing calibration Verification (ICCV and CCV) and Continuing Calibration blank (CCB):				
		1) Was the CCV analyzed at the method-required frequency?	X			
		2) Were percent differences for each analyte within the method-required QC limits?		X		S2-02
		3) Was the ICAL curve verified for each analyte?	X			
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X			
S3	O	Mass Spectral Tuning:				
		1) Was the appropriate compound for the method used for tuning?	X			
		2) Were ion abundance data within the method-required QC limits?	X			
S4	O	Internal Standards (IS):				
		1) Were IS area counts and retention times within the method-required QC limits?	X			
S5	OI	Raw Data (NELAC Section 5.5.10)				
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X			
		2) Were data associated with manual integrations flagged on the raw data?	X			
S6	O	Dual Column Confirmation				
		1) Did dual column confirmation results meet the method-required QC?		X		
S7	O	Tentatively Identified Compounds (TICs):				
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?		X		
S8	I	Interference Check Sample (ICS) Results:				
		1) Were percent recoveries within method QC limits?		X		
S9	I	Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions				
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X	
S10	OI	Method Detection Limit (MDL) Studies				
		1) Was a MDL study performed for each reported analyte?	X			
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X			
S11	OI	Proficiency Test Reports:				
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X			
S12	OI	Standards Documentation				
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X			
S13	OI	Compound/Analyte Identification Procedures				
		1) Are the procedures for compound/analyte identification documented?	X			
S14	OI	Demonstration of Analyst Competency (DOC)				
		1) Was DOC conducted consistent with NELAC Chapter 5 – Appendix C?	X			
		2) Is documentation of the analyst's competency up-to-date and on file?	X			
S15	OI	Verification/Validation Documentation for Methods (NELAC Chapter 5)				
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X			
S16	OI	Laboratory Standard Operating Procedures (SOPs):				
		1) Are laboratory SOPs current and on file for each method performed?	X			

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Signature Page – RG-366/TRRP-13

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC Chapter 5,
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) The amount of analyte measured in the duplicate,
 - b) The calculated RPD, and
 - c) The laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every “No” or “Not Reviewed (NR)” item in Laboratory Review checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information or data affecting the quality of the data has been knowingly withheld.

This laboratory was last inspected by TCEQ on May 6-10, 2013. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

John DuPont – General Manager

Scott Schroeder – Technical Director



Signature

05/29/14

Date

CLIENT: Terracon
Project: Carplex Auto Group
Lab Order: 1405211

CASE NARRATIVE

The samples were analyzed using the methods outlined in the following references:

Method Tx1005 - Total Petroleum Hydrocarbons (soil & water)

Method SW8260C - Volatile Organics (soil & water)

Method D2216 - Percent Moisture Analysis

Exception Report R1-01

The samples were received and log-in performed on 5/17/14. A total of 17 samples were received. No further analyses were required as per the client. The samples arrived in good condition and were properly packaged.

Exception Report R3-08

As per the TCEQ-NELAP accreditation requirement the following must be noted: For TX1005 analyses of soils, the samples were collected in 4 ounce jars. This is allowed in Method 1005 and by regulatory agencies for specific situations. For analyses reported to the Texas Railroad Commission, bulk sampling is allowed. For analyses reported for the TCEQ PST program, for waste classification, or for remediation project where process knowledge can document that C6-C12 hydrocarbons are not present, then Method 1005 allows for bulk sampling. NELAP requires a note that if 5035 sampling method for TX1005 is not utilized and none of the exceptions are applicable, the results of samples collected in bulk containers for C6-C12 hydrocarbons components may be compromised. The client has been notified and has requested the Laboratory to proceed with analysis.

As per the TCEQ-NELAP accreditation requirement the following must be noted: The TCEQ remediation division guidance on the collection of soil for VOC analysis recommends but does not require the use of Method 5035. For analyses reported to the Texas Railroad Commission, bulk sampling is allowed. NELAP requires a note that if 5035 sampling method for VOCs is not utilized, the results of samples collected in bulk containers for low level volatile components may be compromised. The client has been notified and has requested the Laboratory to proceed with analysis.

Exception Report S2-02

For Volatiles analysis, the recoveries of two compounds for the Initial Calibration Verification (ICV-140519) were slightly below control limits specified in SW8260C (80-120% recovery). These are flagged accordingly in the QC summary report. The number of target compounds outside of the method control limits for the ICV are less than 20% of the total number of compounds being reported; this is allowed in SW8260C specifications. These compounds were within method control limits in the associated LCS. No further corrective actions were taken.

CLIENT: Terracon
Project: Carplex Auto Group
Lab Order: 1405211

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1405211-01	MW 2 (3-4)		05/15/14 03:30 PM	5/17/2014
1405211-02	MW 2 (7-8)		05/15/14 03:35 PM	5/17/2014
1405211-03	MW 2 (12-13)		05/15/14 03:40 PM	5/17/2014
1405211-04	MW 3 (2-3)		05/15/14 11:40 AM	5/17/2014
1405211-05	MW 3 (7-8)		05/15/14 11:45 AM	5/17/2014
1405211-06	MW 3 (10-11)		05/15/14 11:50 AM	5/17/2014
1405211-07	DUP 3 (2-3)		05/15/14 11:40 AM	5/17/2014
1405211-08	MW 4 (2-3)		05/15/14 01:55 PM	5/17/2014
1405211-09	MW 4 (7-8)		05/15/14 02:00 PM	5/17/2014
1405211-10	MW 4 (12-13)		05/15/14 02:05 PM	5/17/2014
1405211-11	CBS 1		05/15/14 04:00 PM	5/17/2014
1405211-12	RBS 1		05/15/14 04:05 PM	5/17/2014
1405211-13	Trip Blank		05/15/14	5/17/2014
1405211-14	MW-1 (1-2')		05/16/14 10:40 AM	5/17/2014
1405211-15	MW-1 (2-3')		05/16/14 10:45 AM	5/17/2014
1405211-16	MW-1 (5-6')		05/16/14 10:55 AM	5/17/2014
1405211-17	MW-1 (8-9')		05/16/14 11:00 AM	5/17/2014

Lab Order: 1405211
Client: Terracon
Project: Carplex Auto Group

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1405211-01A	MW 2 (3-4)	05/15/14 03:30 PM	Soil	SW5030A	Purge and Trap Soils GC/MS	05/19/14 03:44 PM	63672
1405211-01B	MW 2 (3-4)	05/15/14 03:30 PM	Soil	D2216	Moisture Preparation	05/21/14 02:26 PM	63717
	MW 2 (3-4)	05/15/14 03:30 PM	Soil	TX1005	TX1005 Soil Prep	05/20/14 09:11 AM	63682
1405211-03A	MW 2 (12-13)	05/15/14 03:40 PM	Soil	SW5030A	Purge and Trap Soils GC/MS	05/19/14 03:44 PM	63672
1405211-03B	MW 2 (12-13)	05/15/14 03:40 PM	Soil	D2216	Moisture Preparation	05/21/14 02:26 PM	63717
	MW 2 (12-13)	05/15/14 03:40 PM	Soil	TX1005	TX1005 Soil Prep	05/20/14 09:11 AM	63682
1405211-04A	MW 3 (2-3)	05/15/14 11:40 AM	Soil	SW5030A	Purge and Trap Soils GC/MS	05/19/14 03:44 PM	63672
1405211-04B	MW 3 (2-3)	05/15/14 11:40 AM	Soil	D2216	Moisture Preparation	05/21/14 02:26 PM	63717
	MW 3 (2-3)	05/15/14 11:40 AM	Soil	TX1005	TX1005 Soil Prep	05/20/14 09:11 AM	63682
1405211-05A	MW 3 (7-8)	05/15/14 11:45 AM	Soil	SW5030A	Purge and Trap Soils GC/MS	05/19/14 03:44 PM	63672
1405211-05B	MW 3 (7-8)	05/15/14 11:45 AM	Soil	D2216	Moisture Preparation	05/21/14 02:26 PM	63717
	MW 3 (7-8)	05/15/14 11:45 AM	Soil	TX1005	TX1005 Soil Prep	05/20/14 09:11 AM	63682
1405211-07A	DUP 3 (2-3)	05/15/14 11:40 AM	Soil	SW5030A	Purge and Trap Soils GC/MS	05/19/14 03:44 PM	63672
1405211-07B	DUP 3 (2-3)	05/15/14 11:40 AM	Soil	D2216	Moisture Preparation	05/21/14 02:26 PM	63717
	DUP 3 (2-3)	05/15/14 11:40 AM	Soil	TX1005	TX1005 Soil Prep	05/20/14 09:11 AM	63682
1405211-08A	MW 4 (2-3)	05/15/14 01:55 PM	Soil	SW5030A	Purge and Trap Soils GC/MS	05/19/14 03:44 PM	63672
1405211-08B	MW 4 (2-3)	05/15/14 01:55 PM	Soil	D2216	Moisture Preparation	05/21/14 02:26 PM	63717
	MW 4 (2-3)	05/15/14 01:55 PM	Soil	TX1005	TX1005 Soil Prep	05/20/14 09:11 AM	63682
1405211-09A	MW 4 (7-8)	05/15/14 02:00 PM	Soil	SW5030A	Purge and Trap Soils GC/MS	05/19/14 03:44 PM	63672
1405211-09B	MW 4 (7-8)	05/15/14 02:00 PM	Soil	D2216	Moisture Preparation	05/21/14 02:26 PM	63717
	MW 4 (7-8)	05/15/14 02:00 PM	Soil	TX1005	TX1005 Soil Prep	05/20/14 09:11 AM	63682
1405211-11A	CBS 1	05/15/14 04:00 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	05/19/14 12:06 PM	63664
1405211-11B	CBS 1	05/15/14 04:00 PM	Aqueous	TX1005	TX1005 Water Prep	05/19/14 10:07 AM	63655
1405211-12A	RBS 1	05/15/14 04:05 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	05/19/14 12:06 PM	63664
1405211-12B	RBS 1	05/15/14 04:05 PM	Aqueous	TX1005	TX1005 Water Prep	05/19/14 10:07 AM	63655
1405211-13A	Trip Blank	05/15/14	Trip Blank	SW5030C	Purge and Trap Water GC/MS	05/19/14 12:06 PM	63664
1405211-15A	MW-1 (2-3')	05/16/14 10:45 AM	Soil	SW5030A	Purge and Trap Soils GC/MS	05/19/14 03:44 PM	63672
1405211-15B	MW-1 (2-3')	05/16/14 10:45 AM	Soil	D2216	Moisture Preparation	05/21/14 02:26 PM	63717

Lab Order: 1405211
Client: Terracon
Project: Carplex Auto Group

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1405211-15B	MW-1 (2-3')	05/16/14 10:45 AM	Soil	TX1005	TX1005 Soil Prep	05/20/14 09:11 AM	63682
1405211-17A	MW-1 (8-9')	05/16/14 11:00 AM	Soil	SW5030A	Purge and Trap Soils GC/MS	05/19/14 03:44 PM	63672
1405211-17B	MW-1 (8-9')	05/16/14 11:00 AM	Soil	D2216	Moisture Preparation	05/21/14 02:26 PM	63717
	MW-1 (8-9')	05/16/14 11:00 AM	Soil	TX1005	TX1005 Soil Prep	05/20/14 09:11 AM	63682

Lab Order: 1405211
Client: Terracon
Project: Carplex Auto Group

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1405211-01A	MW 2 (3-4)	Soil	SW8260C	Volatiles by GC/MS	63672	1	05/19/14 07:45 PM	GCMS2_140519B
1405211-01B	MW 2 (3-4)	Soil	D2216	Percent Moisture	63717	1	05/22/14 09:51 AM	PMOIST_140521A
	MW 2 (3-4)	Soil	TX1005	Tx1005 TPH Soil	63682	1	05/21/14 10:03 AM	GC12_140521A
1405211-03A	MW 2 (12-13)	Soil	SW8260C	Volatiles by GC/MS	63672	1	05/19/14 08:16 PM	GCMS2_140519B
1405211-03B	MW 2 (12-13)	Soil	D2216	Percent Moisture	63717	1	05/22/14 09:51 AM	PMOIST_140521A
	MW 2 (12-13)	Soil	TX1005	Tx1005 TPH Soil	63682	1	05/21/14 10:12 AM	GC12_140521A
1405211-04A	MW 3 (2-3)	Soil	SW8260C	Volatiles by GC/MS	63672	1	05/19/14 08:48 PM	GCMS2_140519B
1405211-04B	MW 3 (2-3)	Soil	D2216	Percent Moisture	63717	1	05/22/14 09:51 AM	PMOIST_140521A
	MW 3 (2-3)	Soil	TX1005	Tx1005 TPH Soil	63682	1	05/21/14 10:20 AM	GC12_140521A
1405211-05A	MW 3 (7-8)	Soil	SW8260C	Volatiles by GC/MS	63672	1	05/19/14 09:19 PM	GCMS2_140519B
1405211-05B	MW 3 (7-8)	Soil	D2216	Percent Moisture	63717	1	05/22/14 09:51 AM	PMOIST_140521A
	MW 3 (7-8)	Soil	TX1005	Tx1005 TPH Soil	63682	1	05/21/14 10:29 AM	GC12_140521A
1405211-07A	DUP 3 (2-3)	Soil	SW8260C	Volatiles by GC/MS	63672	1	05/19/14 11:25 PM	GCMS2_140519B
1405211-07B	DUP 3 (2-3)	Soil	D2216	Percent Moisture	63717	1	05/22/14 09:51 AM	PMOIST_140521A
	DUP 3 (2-3)	Soil	TX1005	Tx1005 TPH Soil	63682	1	05/21/14 10:54 AM	GC12_140521A
1405211-08A	MW 4 (2-3)	Soil	SW8260C	Volatiles by GC/MS	63672	1	05/19/14 11:56 PM	GCMS2_140519B
1405211-08B	MW 4 (2-3)	Soil	D2216	Percent Moisture	63717	1	05/22/14 09:51 AM	PMOIST_140521A
	MW 4 (2-3)	Soil	TX1005	Tx1005 TPH Soil	63682	1	05/21/14 11:03 AM	GC12_140521A
1405211-09A	MW 4 (7-8)	Soil	SW8260C	Volatiles by GC/MS	63672	1	05/20/14 12:28 AM	GCMS2_140519B
1405211-09B	MW 4 (7-8)	Soil	D2216	Percent Moisture	63717	1	05/22/14 09:51 AM	PMOIST_140521A
	MW 4 (7-8)	Soil	TX1005	Tx1005 TPH Soil	63682	1	05/21/14 11:11 AM	GC12_140521A
1405211-11A	CBS 1	Aqueous	SW8260C	Volatiles by GC/MS	63664	1	05/19/14 07:40 PM	GCMS5_140519B
1405211-11B	CBS 1	Aqueous	TX1005	Tx1005 TPH Water	63655	1	05/20/14 04:02 PM	GC12_140520B
1405211-12A	RBS 1	Aqueous	SW8260C	Volatiles by GC/MS	63664	1	05/19/14 08:05 PM	GCMS5_140519B
1405211-12B	RBS 1	Aqueous	TX1005	Tx1005 TPH Water	63655	1	05/20/14 04:28 PM	GC12_140520B
1405211-13A	Trip Blank	Trip Blank	SW8260C	Volatiles by GC/MS	63664	1	05/19/14 08:30 PM	GCMS5_140519B
1405211-15A	MW-1 (2-3')	Soil	SW8260C	Volatiles by GC/MS	63672	1	05/20/14 12:59 AM	GCMS2_140519B
1405211-15B	MW-1 (2-3')	Soil	D2216	Percent Moisture	63717	1	05/22/14 09:51 AM	PMOIST_140521A

Lab Order: 1405211
Client: Terracon
Project: Carplex Auto Group

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1405211-15B	MW-1 (2-3')	Soil	TX1005	Tx1005 TPH Soil	63682	1	05/21/14 11:19 AM	GC12_140521A
1405211-17A	MW-1 (8-9')	Soil	SW8260C	Volatiles by GC/MS	63672	1	05/20/14 01:30 AM	GCMS2_140519B
1405211-17B	MW-1 (8-9')	Soil	D2216	Percent Moisture	63717	1	05/22/14 09:51 AM	PMOIST_140521A
	MW-1 (8-9')	Soil	TX1005	Tx1005 TPH Soil	63682	1	05/21/14 11:28 AM	GC12_140521A

DHL Analytical, Inc.

Date: 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW 2 (3-4)
Project:	Carplex Auto Group	Lab ID:	1405211-01
Project No:	95137219C.A	Collection Date:	05/15/14 03:30 PM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL							
T/R Hydrocarbons: C6-C12	<7.71	7.71	22.0		mg/Kg-dry	1	05/21/14 10:03 AM
T/R Hydrocarbons: >C12-C28	<7.71	7.71	22.0		mg/Kg-dry	1	05/21/14 10:03 AM
T/R Hydrocarbons: >C28-C35	<7.71	7.71	22.0		mg/Kg-dry	1	05/21/14 10:03 AM
T/R Hydrocarbons: C6-C35	<7.71	7.71	22.0		mg/Kg-dry	1	05/21/14 10:03 AM
Surrogate: Isopropylbenzene	109	0	70-130	%REC		1	05/21/14 10:03 AM
Surrogate: Octacosane	98.7	0	70-130	%REC		1	05/21/14 10:03 AM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,1,1-Trichloroethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,1,2,2-Tetrachloroethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,1,2-Trichloroethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,1-Dichloroethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,1-Dichloroethene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,1-Dichloropropene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,2,3-Trichlorobenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,2,3-Trichloropropane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,2,4-Trichlorobenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,2,4-Trimethylbenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,2-Dibromo-3-chloropropane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,2-Dibromoethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,2-Dichlorobenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,2-Dichloroethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,2-Dichloropropane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,3,5-Trimethylbenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,3-Dichlorobenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,3-Dichloropropane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
1,4-Dichlorobenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
2,2-Dichloropropane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
2-Butanone	<0.00545	0.00545	0.0163		mg/Kg-dry	1	05/19/14 07:45 PM
2-Chlorotoluene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
2-Hexanone	<0.00545	0.00545	0.0163		mg/Kg-dry	1	05/19/14 07:45 PM
4-Chlorotoluene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
4-Methyl-2-pentanone	<0.00545	0.00545	0.0163		mg/Kg-dry	1	05/19/14 07:45 PM
Acetone	<0.0163	0.0163	0.0545		mg/Kg-dry	1	05/19/14 07:45 PM
Benzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Bromobenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Bromochloromethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Bromodichloromethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM

Qualifiers:	ND - Not Detected at the SDL	S - Spike Recovery outside control limits
	J - Analyte detected between SDL and RL	C - Sample Result or QC discussed in Case Narrative
	B - Analyte detected in the associated Method Blank	RL - Reporting Limit (MQL adjusted for moisture and sample size)
	DF - Dilution Factor	SDL - Sample Detection Limit
	N - Parameter not NELAC certified	E - TPH pattern not Gas or Diesel Range Pattern
See Final Page of Report for MQLs and MDLs		

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: MW 2 (3-4)
Lab ID: 1405211-01
Collection Date: 05/15/14 03:30 PM
Matrix: SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Bromomethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Carbon disulfide	<0.00545	0.00545	0.0163		mg/Kg-dry	1	05/19/14 07:45 PM
Carbon tetrachloride	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Chlorobenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Chloroethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Chloroform	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Chloromethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
cis-1,2-Dichloroethene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
cis-1,3-Dichloropropene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Dibromochloromethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Dibromomethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Dichlorodifluoromethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Ethylbenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Hexachlorobutadiene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Iodomethane	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Isopropylbenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
m,p-Xylene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Methyl tert-butyl ether	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Methylene chloride	<0.00545	0.00545	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Naphthalene	<0.00545	0.00545	0.0163		mg/Kg-dry	1	05/19/14 07:45 PM
n-Butylbenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
n-Propylbenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
o-Xylene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
p-Isopropyltoluene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
sec-Butylbenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Styrene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
tert-Butylbenzene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Tetrachloroethene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Toluene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
trans-1,2-Dichloroethene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
trans-1,3-Dichloropropene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Trichloroethene	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Trichlorofluoromethane	<0.00545	0.00545	0.0163		mg/Kg-dry	1	05/19/14 07:45 PM
Vinyl chloride	<0.00109	0.00109	0.00545		mg/Kg-dry	1	05/19/14 07:45 PM
Surr: 1,2-Dichloroethane-d4	110	0	52-149	%REC		1	05/19/14 07:45 PM
Surr: 4-Bromofluorobenzene	106	0	84-118	%REC		1	05/19/14 07:45 PM
Surr: Dibromofluoromethane	102	0	65-135	%REC		1	05/19/14 07:45 PM
Surr: Toluene-d8	93.5	0	84-116	%REC		1	05/19/14 07:45 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.**Date:** 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW 2 (3-4)
Project:	Carplex Auto Group	Lab ID:	1405211-01
Project No:	95137219C.A	Collection Date:	05/15/14 03:30 PM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE Percent Moisture	15.2	D2216	0	0	WT%	1	Analyst: JL 05/22/14 09:51 AM

Qualifiers:
ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon **Client Sample ID:** MW 2 (12-13)
Project: Carplex Auto Group **Lab ID:** 1405211-03
Project No: 95137219C.A **Collection Date:** 05/15/14 03:40 PM
Lab Order: 1405211 **Matrix:** SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL							
T/R Hydrocarbons: C6-C12	<7.59	7.59	21.7		mg/Kg-dry	1	05/21/14 10:12 AM
T/R Hydrocarbons: >C12-C28	<7.59	7.59	21.7		mg/Kg-dry	1	05/21/14 10:12 AM
T/R Hydrocarbons: >C28-C35	<7.59	7.59	21.7		mg/Kg-dry	1	05/21/14 10:12 AM
T/R Hydrocarbons: C6-C35	<7.59	7.59	21.7		mg/Kg-dry	1	05/21/14 10:12 AM
Surrogate: Isopropylbenzene	109	0	70-130	%REC		1	05/21/14 10:12 AM
Surrogate: Octacosane	87.1	0	70-130	%REC		1	05/21/14 10:12 AM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,1,1-Trichloroethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,1,2,2-Tetrachloroethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,1,2-Trichloroethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,1-Dichloroethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,1-Dichloroethene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,1-Dichloropropene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,2,3-Trichlorobenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,2,3-Trichloropropane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,2,4-Trichlorobenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,2,4-Trimethylbenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,2-Dibromo-3-chloropropane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,2-Dibromoethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,2-Dichlorobenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,2-Dichloroethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,2-Dichloropropane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,3,5-Trimethylbenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,3-Dichlorobenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,3-Dichloropropane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
1,4-Dichlorobenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
2,2-Dichloropropane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
2-Butanone	<0.00522	0.00522	0.0157		mg/Kg-dry	1	05/19/14 08:16 PM
2-Chlorotoluene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
2-Hexanone	<0.00522	0.00522	0.0157		mg/Kg-dry	1	05/19/14 08:16 PM
4-Chlorotoluene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
4-Methyl-2-pentanone	<0.00522	0.00522	0.0157		mg/Kg-dry	1	05/19/14 08:16 PM
Acetone	<0.0157	0.0157	0.0522		mg/Kg-dry	1	05/19/14 08:16 PM
Benzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Bromobenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Bromochloromethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Bromodichloromethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: MW 2 (12-13)
Lab ID: 1405211-03
Collection Date: 05/15/14 03:40 PM
Matrix: SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
Bromoform	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Bromomethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Carbon disulfide	<0.00522	0.00522	0.0157		mg/Kg-dry	1	05/19/14 08:16 PM
Carbon tetrachloride	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Chlorobenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Chloroethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Chloroform	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Chloromethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
cis-1,2-Dichloroethene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
cis-1,3-Dichloropropene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Dibromochloromethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Dibromomethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Dichlorodifluoromethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Ethylbenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Hexachlorobutadiene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Iodomethane	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Isopropylbenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
m,p-Xylene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Methyl tert-butyl ether	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Methylene chloride	<0.00522	0.00522	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Naphthalene	<0.00522	0.00522	0.0157		mg/Kg-dry	1	05/19/14 08:16 PM
n-Butylbenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
n-Propylbenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
o-Xylene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
p-Isopropyltoluene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
sec-Butylbenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Styrene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
tert-Butylbenzene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Tetrachloroethene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Toluene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
trans-1,2-Dichloroethene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
trans-1,3-Dichloropropene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Trichloroethene	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Trichlorofluoromethane	<0.00522	0.00522	0.0157		mg/Kg-dry	1	05/19/14 08:16 PM
Vinyl chloride	<0.00104	0.00104	0.00522		mg/Kg-dry	1	05/19/14 08:16 PM
Surr: 1,2-Dichloroethane-d4	105	0	52-149	%REC		1	05/19/14 08:16 PM
Surr: 4-Bromofluorobenzene	104	0	84-118	%REC		1	05/19/14 08:16 PM
Surr: Dibromofluoromethane	99.2	0	65-135	%REC		1	05/19/14 08:16 PM
Surr: Toluene-d8	91.4	0	84-116	%REC		1	05/19/14 08:16 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.**Date:** 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW 2 (12-13)
Project:	Carplex Auto Group	Lab ID:	1405211-03
Project No:	95137219C.A	Collection Date:	05/15/14 03:40 PM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE Percent Moisture	14.8	D2216	0	0	WT%	1	Analyst: JL 05/22/14 09:51 AM

Qualifiers:
ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon **Client Sample ID:** MW 3 (2-3)
Project: Carplex Auto Group **Lab ID:** 1405211-04
Project No: 95137219C.A **Collection Date:** 05/15/14 11:40 AM
Lab Order: 1405211 **Matrix:** SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL							
T/R Hydrocarbons: C6-C12	<8.94	8.94	25.6		mg/Kg-dry	1	05/21/14 10:20 AM
T/R Hydrocarbons: >C12-C28	<8.94	8.94	25.6		mg/Kg-dry	1	05/21/14 10:20 AM
T/R Hydrocarbons: >C28-C35	<8.94	8.94	25.6		mg/Kg-dry	1	05/21/14 10:20 AM
T/R Hydrocarbons: C6-C35	<8.94	8.94	25.6		mg/Kg-dry	1	05/21/14 10:20 AM
Surrogate: Isopropylbenzene	108	0	70-130	%REC		1	05/21/14 10:20 AM
Surrogate: Octacosane	87.7	0	70-130	%REC		1	05/21/14 10:20 AM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,1,1-Trichloroethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,1,2,2-Tetrachloroethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,1,2-Trichloroethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,1-Dichloroethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,1-Dichloroethene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,1-Dichloropropene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,2,3-Trichlorobenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,2,3-Trichloropropane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,2,4-Trichlorobenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,2,4-Trimethylbenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,2-Dibromo-3-chloropropane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,2-Dibromoethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,2-Dichlorobenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,2-Dichloroethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,2-Dichloropropane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,3,5-Trimethylbenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,3-Dichlorobenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,3-Dichloropropane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
1,4-Dichlorobenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
2,2-Dichloropropane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
2-Butanone	0.0494	0.00585	0.0176		mg/Kg-dry	1	05/19/14 08:48 PM
2-Chlorotoluene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
2-Hexanone	<0.00585	0.00585	0.0176		mg/Kg-dry	1	05/19/14 08:48 PM
4-Chlorotoluene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
4-Methyl-2-pentanone	<0.00585	0.00585	0.0176		mg/Kg-dry	1	05/19/14 08:48 PM
Acetone	0.508	0.0176	0.0585		mg/Kg-dry	1	05/19/14 08:48 PM
Benzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Bromobenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Bromochloromethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Bromodichloromethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon **Client Sample ID:** MW 3 (2-3)
Project: Carplex Auto Group **Lab ID:** 1405211-04
Project No: 95137219C.A **Collection Date:** 05/15/14 11:40 AM
Lab Order: 1405211 **Matrix:** SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Bromomethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Carbon disulfide	<0.00585	0.00585	0.0176		mg/Kg-dry	1	05/19/14 08:48 PM
Carbon tetrachloride	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Chlorobenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Chloroethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Chloroform	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Chloromethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
cis-1,2-Dichloroethene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
cis-1,3-Dichloropropene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Dibromochloromethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Dibromomethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Dichlorodifluoromethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Ethylbenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Hexachlorobutadiene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Iodomethane	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Isopropylbenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
m,p-Xylene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Methyl tert-butyl ether	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Methylene chloride	<0.00585	0.00585	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Naphthalene	<0.00585	0.00585	0.0176		mg/Kg-dry	1	05/19/14 08:48 PM
n-Butylbenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
n-Propylbenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
o-Xylene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
p-Isopropyltoluene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
sec-Butylbenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Styrene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
tert-Butylbenzene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Tetrachloroethene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Toluene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
trans-1,2-Dichloroethene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
trans-1,3-Dichloropropene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Trichloroethene	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Trichlorofluoromethane	<0.00585	0.00585	0.0176		mg/Kg-dry	1	05/19/14 08:48 PM
Vinyl chloride	<0.00117	0.00117	0.00585		mg/Kg-dry	1	05/19/14 08:48 PM
Surr: 1,2-Dichloroethane-d4	108	0	52-149	%REC		1	05/19/14 08:48 PM
Surr: 4-Bromofluorobenzene	103	0	84-118	%REC		1	05/19/14 08:48 PM
Surr: Dibromofluoromethane	106	0	65-135	%REC		1	05/19/14 08:48 PM
Surr: Toluene-d8	91.4	0	84-116	%REC		1	05/19/14 08:48 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.**Date:** 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW 3 (2-3)
Project:	Carplex Auto Group	Lab ID:	1405211-04
Project No:	95137219C.A	Collection Date:	05/15/14 11:40 AM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE Percent Moisture	21.9	D2216	0	0	WT%	1	Analyst: JL 05/22/14 09:51 AM

Qualifiers:
ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon **Client Sample ID:** MW 3 (7-8)
Project: Carplex Auto Group **Lab ID:** 1405211-05
Project No: 95137219C.A **Collection Date:** 05/15/14 11:45 AM
Lab Order: 1405211 **Matrix:** SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL							
T/R Hydrocarbons: C6-C12	<8.22	8.22	23.5		mg/Kg-dry	1	05/21/14 10:29 AM
T/R Hydrocarbons: >C12-C28	<8.22	8.22	23.5		mg/Kg-dry	1	05/21/14 10:29 AM
T/R Hydrocarbons: >C28-C35	<8.22	8.22	23.5		mg/Kg-dry	1	05/21/14 10:29 AM
T/R Hydrocarbons: C6-C35	<8.22	8.22	23.5		mg/Kg-dry	1	05/21/14 10:29 AM
Surrogate: Isopropylbenzene	111	0	70-130	%REC		1	05/21/14 10:29 AM
Surrogate: Octacosane	97.4	0	70-130	%REC		1	05/21/14 10:29 AM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,1,1-Trichloroethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,1,2,2-Tetrachloroethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,1,2-Trichloroethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,1-Dichloroethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,1-Dichloroethene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,1-Dichloropropene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,2,3-Trichlorobenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,2,3-Trichloropropane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,2,4-Trichlorobenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,2,4-Trimethylbenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,2-Dibromo-3-chloropropane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,2-Dibromoethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,2-Dichlorobenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,2-Dichloroethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,2-Dichloropropane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,3,5-Trimethylbenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,3-Dichlorobenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,3-Dichloropropane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
1,4-Dichlorobenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
2,2-Dichloropropane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
2-Butanone	<0.00561	0.00561	0.0168		mg/Kg-dry	1	05/19/14 09:19 PM
2-Chlorotoluene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
2-Hexanone	<0.00561	0.00561	0.0168		mg/Kg-dry	1	05/19/14 09:19 PM
4-Chlorotoluene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
4-Methyl-2-pentanone	<0.00561	0.00561	0.0168		mg/Kg-dry	1	05/19/14 09:19 PM
Acetone	<0.0168	0.0168	0.0561		mg/Kg-dry	1	05/19/14 09:19 PM
Benzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Bromobenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Bromochloromethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Bromodichloromethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF- Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon **Client Sample ID:** MW 3 (7-8)
Project: Carplex Auto Group **Lab ID:** 1405211-05
Project No: 95137219C.A **Collection Date:** 05/15/14 11:45 AM
Lab Order: 1405211 **Matrix:** SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Bromomethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Carbon disulfide	<0.00561	0.00561	0.0168		mg/Kg-dry	1	05/19/14 09:19 PM
Carbon tetrachloride	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Chlorobenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Chloroethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Chloroform	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Chloromethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
cis-1,2-Dichloroethene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
cis-1,3-Dichloropropene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Dibromochloromethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Dibromomethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Dichlorodifluoromethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Ethylbenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Hexachlorobutadiene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Iodomethane	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Isopropylbenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
m,p-Xylene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Methyl tert-butyl ether	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Methylene chloride	<0.00561	0.00561	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Naphthalene	<0.00561	0.00561	0.0168		mg/Kg-dry	1	05/19/14 09:19 PM
n-Butylbenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
n-Propylbenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
o-Xylene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
p-Isopropyltoluene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
sec-Butylbenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Styrene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
tert-Butylbenzene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Tetrachloroethene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Toluene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
trans-1,2-Dichloroethene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
trans-1,3-Dichloropropene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Trichloroethene	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Trichlorofluoromethane	<0.00561	0.00561	0.0168		mg/Kg-dry	1	05/19/14 09:19 PM
Vinyl chloride	<0.00112	0.00112	0.00561		mg/Kg-dry	1	05/19/14 09:19 PM
Surr: 1,2-Dichloroethane-d4	102	0	52-149	%REC		1	05/19/14 09:19 PM
Surr: 4-Bromofluorobenzene	101	0	84-118	%REC		1	05/19/14 09:19 PM
Surr: Dibromofluoromethane	99.6	0	65-135	%REC		1	05/19/14 09:19 PM
Surr: Toluene-d8	93.2	0	84-116	%REC		1	05/19/14 09:19 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.**Date:** 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW 3 (7-8)
Project:	Carplex Auto Group	Lab ID:	1405211-05
Project No:	95137219C.A	Collection Date:	05/15/14 11:45 AM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE Percent Moisture	17.6	D2216	0	0	WT%	1	Analyst: JL 05/22/14 09:51 AM

Qualifiers:
ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon **Client Sample ID:** DUP 3 (2-3)
Project: Carplex Auto Group **Lab ID:** 1405211-07
Project No: 95137219C.A **Collection Date:** 05/15/14 11:40 AM
Lab Order: 1405211 **Matrix:** SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL							
T/R Hydrocarbons: C6-C12	<8.79	8.79	25.1		mg/Kg-dry	1	05/21/14 10:54 AM
T/R Hydrocarbons: >C12-C28	<8.79	8.79	25.1		mg/Kg-dry	1	05/21/14 10:54 AM
T/R Hydrocarbons: >C28-C35	<8.79	8.79	25.1		mg/Kg-dry	1	05/21/14 10:54 AM
T/R Hydrocarbons: C6-C35	<8.79	8.79	25.1		mg/Kg-dry	1	05/21/14 10:54 AM
Surrogate: Isopropylbenzene	113	0	70-130	%REC		1	05/21/14 10:54 AM
Surrogate: Octacosane	94.4	0	70-130	%REC		1	05/21/14 10:54 AM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,1,1-Trichloroethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,1,2,2-Tetrachloroethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,1,2-Trichloroethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,1-Dichloroethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,1-Dichloroethene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,1-Dichloropropene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,2,3-Trichlorobenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,2,3-Trichloropropane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,2,4-Trichlorobenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,2,4-Trimethylbenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,2-Dibromo-3-chloropropane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,2-Dibromoethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,2-Dichlorobenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,2-Dichloroethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,2-Dichloropropane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,3,5-Trimethylbenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,3-Dichlorobenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,3-Dichloropropane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
1,4-Dichlorobenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
2,2-Dichloropropane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
2-Butanone	0.0474	0.00616	0.0185		mg/Kg-dry	1	05/19/14 11:25 PM
2-Chlorotoluene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
2-Hexanone	<0.00616	0.00616	0.0185		mg/Kg-dry	1	05/19/14 11:25 PM
4-Chlorotoluene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
4-Methyl-2-pentanone	<0.00616	0.00616	0.0185		mg/Kg-dry	1	05/19/14 11:25 PM
Acetone	0.424	0.0185	0.0616		mg/Kg-dry	1	05/19/14 11:25 PM
Benzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Bromobenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Bromochloromethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Bromodichloromethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: DUP 3 (2-3)
Lab ID: 1405211-07
Collection Date: 05/15/14 11:40 AM
Matrix: SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Bromomethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Carbon disulfide	<0.00616	0.00616	0.0185		mg/Kg-dry	1	05/19/14 11:25 PM
Carbon tetrachloride	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Chlorobenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Chloroethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Chloroform	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Chloromethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
cis-1,2-Dichloroethene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
cis-1,3-Dichloropropene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Dibromochloromethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Dibromomethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Dichlorodifluoromethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Ethylbenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Hexachlorobutadiene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Iodomethane	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Isopropylbenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
m,p-Xylene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Methyl tert-butyl ether	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Methylene chloride	<0.00616	0.00616	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Naphthalene	<0.00616	0.00616	0.0185		mg/Kg-dry	1	05/19/14 11:25 PM
n-Butylbenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
n-Propylbenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
o-Xylene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
p-Isopropyltoluene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
sec-Butylbenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Styrene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
tert-Butylbenzene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Tetrachloroethene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Toluene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
trans-1,2-Dichloroethene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
trans-1,3-Dichloropropene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Trichloroethene	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Trichlorofluoromethane	<0.00616	0.00616	0.0185		mg/Kg-dry	1	05/19/14 11:25 PM
Vinyl chloride	<0.00123	0.00123	0.00616		mg/Kg-dry	1	05/19/14 11:25 PM
Surr: 1,2-Dichloroethane-d4	108	0	52-149	%REC		1	05/19/14 11:25 PM
Surr: 4-Bromofluorobenzene	102	0	84-118	%REC		1	05/19/14 11:25 PM
Surr: Dibromofluoromethane	106	0	65-135	%REC		1	05/19/14 11:25 PM
Surr: Toluene-d8	93.1	0	84-116	%REC		1	05/19/14 11:25 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.**Date:** 29-May-14

CLIENT:	Terracon	Client Sample ID:	DUP 3 (2-3)
Project:	Carplex Auto Group	Lab ID:	1405211-07
Project No:	95137219C.A	Collection Date:	05/15/14 11:40 AM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE Percent Moisture	21.1	D2216	0	0	WT%	1	Analyst: JL 05/22/14 09:51 AM

Qualifiers:
ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon **Client Sample ID:** MW 4 (2-3)
Project: Carplex Auto Group **Lab ID:** 1405211-08
Project No: 95137219C.A **Collection Date:** 05/15/14 01:55 PM
Lab Order: 1405211 **Matrix:** SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL							
T/R Hydrocarbons: C6-C12	<8.32	8.32	23.8		mg/Kg-dry	1	05/21/14 11:03 AM
T/R Hydrocarbons: >C12-C28	<8.32	8.32	23.8		mg/Kg-dry	1	05/21/14 11:03 AM
T/R Hydrocarbons: >C28-C35	<8.32	8.32	23.8		mg/Kg-dry	1	05/21/14 11:03 AM
T/R Hydrocarbons: C6-C35	<8.32	8.32	23.8		mg/Kg-dry	1	05/21/14 11:03 AM
Surrogate: Isopropylbenzene	107	0	70-130	%REC		1	05/21/14 11:03 AM
Surrogate: Octacosane	88.3	0	70-130	%REC		1	05/21/14 11:03 AM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,1,1-Trichloroethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,1,2,2-Tetrachloroethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,1,2-Trichloroethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,1-Dichloroethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,1-Dichloroethene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,1-Dichloropropene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,2,3-Trichlorobenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,2,3-Trichloropropane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,2,4-Trichlorobenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,2,4-Trimethylbenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,2-Dibromo-3-chloropropane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,2-Dibromoethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,2-Dichlorobenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,2-Dichloroethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,2-Dichloropropane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,3,5-Trimethylbenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,3-Dichlorobenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,3-Dichloropropane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
1,4-Dichlorobenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
2,2-Dichloropropane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
2-Butanone	<0.00583	0.00583	0.0175		mg/Kg-dry	1	05/19/14 11:56 PM
2-Chlorotoluene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
2-Hexanone	<0.00583	0.00583	0.0175		mg/Kg-dry	1	05/19/14 11:56 PM
4-Chlorotoluene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
4-Methyl-2-pentanone	<0.00583	0.00583	0.0175		mg/Kg-dry	1	05/19/14 11:56 PM
Acetone	<0.0175	0.0175	0.0583		mg/Kg-dry	1	05/19/14 11:56 PM
Benzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Bromobenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Bromochloromethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Bromodichloromethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: MW 4 (2-3)
Lab ID: 1405211-08
Collection Date: 05/15/14 01:55 PM
Matrix: SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
Bromoform	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Bromomethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Carbon disulfide	<0.00583	0.00583	0.0175		mg/Kg-dry	1	05/19/14 11:56 PM
Carbon tetrachloride	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Chlorobenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Chloroethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Chloroform	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Chloromethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
cis-1,2-Dichloroethene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
cis-1,3-Dichloropropene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Dibromochloromethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Dibromomethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Dichlorodifluoromethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Ethylbenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Hexachlorobutadiene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Iodomethane	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Isopropylbenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
m,p-Xylene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Methyl tert-butyl ether	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Methylene chloride	<0.00583	0.00583	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Naphthalene	<0.00583	0.00583	0.0175		mg/Kg-dry	1	05/19/14 11:56 PM
n-Butylbenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
n-Propylbenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
o-Xylene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
p-Isopropyltoluene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
sec-Butylbenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Styrene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
tert-Butylbenzene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Tetrachloroethene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Toluene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
trans-1,2-Dichloroethene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
trans-1,3-Dichloropropene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Trichloroethene	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Trichlorofluoromethane	<0.00583	0.00583	0.0175		mg/Kg-dry	1	05/19/14 11:56 PM
Vinyl chloride	<0.00117	0.00117	0.00583		mg/Kg-dry	1	05/19/14 11:56 PM
Surr: 1,2-Dichloroethane-d4	123	0	52-149	%REC		1	05/19/14 11:56 PM
Surr: 4-Bromofluorobenzene	102	0	84-118	%REC		1	05/19/14 11:56 PM
Surr: Dibromofluoromethane	104	0	65-135	%REC		1	05/19/14 11:56 PM
Surr: Toluene-d8	91.4	0	84-116	%REC		1	05/19/14 11:56 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.**Date:** 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW 4 (2-3)
Project:	Carplex Auto Group	Lab ID:	1405211-08
Project No:	95137219C.A	Collection Date:	05/15/14 01:55 PM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE Percent Moisture	19.4	D2216	0	0	WT%	1	Analyst: JL 05/22/14 09:51 AM

Qualifiers:
ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW 4 (7-8)
Project:	Carplex Auto Group	Lab ID:	1405211-09
Project No:	95137219C.A	Collection Date:	05/15/14 02:00 PM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL							
T/R Hydrocarbons: C6-C12	<7.75	7.75	22.1		mg/Kg-dry	1	05/21/14 11:11 AM
T/R Hydrocarbons: >C12-C28	<7.75	7.75	22.1		mg/Kg-dry	1	05/21/14 11:11 AM
T/R Hydrocarbons: >C28-C35	<7.75	7.75	22.1		mg/Kg-dry	1	05/21/14 11:11 AM
T/R Hydrocarbons: C6-C35	<7.75	7.75	22.1		mg/Kg-dry	1	05/21/14 11:11 AM
Surrogate: Isopropylbenzene	109	0	70-130	%REC		1	05/21/14 11:11 AM
Surrogate: Octacosane	95.2	0	70-130	%REC		1	05/21/14 11:11 AM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,1,1-Trichloroethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,1,2,2-Tetrachloroethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,1,2-Trichloroethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,1-Dichloroethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,1-Dichloroethene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,1-Dichloropropene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,2,3-Trichlorobenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,2,3-Trichloropropane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,2,4-Trichlorobenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,2,4-Trimethylbenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,2-Dibromo-3-chloropropane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,2-Dibromoethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,2-Dichlorobenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,2-Dichloroethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,2-Dichloropropane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,3,5-Trimethylbenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,3-Dichlorobenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,3-Dichloropropane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
1,4-Dichlorobenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
2,2-Dichloropropane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
2-Butanone	<0.00570	0.00570	0.0171		mg/Kg-dry	1	05/20/14 12:28 AM
2-Chlorotoluene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
2-Hexanone	<0.00570	0.00570	0.0171		mg/Kg-dry	1	05/20/14 12:28 AM
4-Chlorotoluene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
4-Methyl-2-pentanone	<0.00570	0.00570	0.0171		mg/Kg-dry	1	05/20/14 12:28 AM
Acetone	<0.0171	0.0171	0.0570		mg/Kg-dry	1	05/20/14 12:28 AM
Benzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Bromobenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Bromochloromethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Bromodichloromethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
SW8260C							
Analyst: DEW							

Qualifiers: ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: MW 4 (7-8)
Lab ID: 1405211-09
Collection Date: 05/15/14 02:00 PM
Matrix: SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Bromomethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Carbon disulfide	<0.00570	0.00570	0.0171		mg/Kg-dry	1	05/20/14 12:28 AM
Carbon tetrachloride	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Chlorobenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Chloroethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Chloroform	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Chloromethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
cis-1,2-Dichloroethene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
cis-1,3-Dichloropropene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Dibromochloromethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Dibromomethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Dichlorodifluoromethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Ethylbenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Hexachlorobutadiene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Iodomethane	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Isopropylbenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
m,p-Xylene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Methyl tert-butyl ether	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Methylene chloride	<0.00570	0.00570	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Naphthalene	<0.00570	0.00570	0.0171		mg/Kg-dry	1	05/20/14 12:28 AM
n-Butylbenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
n-Propylbenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
o-Xylene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
p-Isopropyltoluene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
sec-Butylbenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Styrene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
tert-Butylbenzene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Tetrachloroethene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Toluene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
trans-1,2-Dichloroethene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
trans-1,3-Dichloropropene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Trichloroethene	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Trichlorofluoromethane	<0.00570	0.00570	0.0171		mg/Kg-dry	1	05/20/14 12:28 AM
Vinyl chloride	<0.00114	0.00114	0.00570		mg/Kg-dry	1	05/20/14 12:28 AM
Surr: 1,2-Dichloroethane-d4	103	0	52-149	%REC		1	05/20/14 12:28 AM
Surr: 4-Bromofluorobenzene	105	0	84-118	%REC		1	05/20/14 12:28 AM
Surr: Dibromofluoromethane	99.6	0	65-135	%REC		1	05/20/14 12:28 AM
Surr: Toluene-d8	94.0	0	84-116	%REC		1	05/20/14 12:28 AM

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF- Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.**Date:** 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW 4 (7-8)
Project:	Carplex Auto Group	Lab ID:	1405211-09
Project No:	95137219C.A	Collection Date:	05/15/14 02:00 PM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE Percent Moisture	13.4	D2216	0	0	WT%	1	Analyst: JL 05/22/14 09:51 AM

Qualifiers:
ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: CBS 1
Lab ID: 1405211-11
Collection Date: 05/15/14 04:00 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER							
T/R Hydrocarbons: C6-C12	<0.689	0.689	1.97		mg/L	1	05/20/14 04:02 PM
T/R Hydrocarbons: >C12-C28	<0.689	0.689	1.97		mg/L	1	05/20/14 04:02 PM
T/R Hydrocarbons: >C28-C35	<0.689	0.689	1.97		mg/L	1	05/20/14 04:02 PM
T/R Hydrocarbons: C6-C35	<0.689	0.689	1.97		mg/L	1	05/20/14 04:02 PM
Surrogate: Isopropylbenzene	91.0	0	70-130	%REC		1	05/20/14 04:02 PM
Surrogate: Octacosane	76.9	0	70-130	%REC		1	05/20/14 04:02 PM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 07:40 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 07:40 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 07:40 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	05/19/14 07:40 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 07:40 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 07:40 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 07:40 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 07:40 PM
Acetone	0.00987	0.00500	0.0150	J	mg/L	1	05/19/14 07:40 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
SW8260C							
Analyst: LM							

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF - Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: CBS 1
Lab ID: 1405211-11
Collection Date: 05/15/14 04:00 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 07:40 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	05/19/14 07:40 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 07:40 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	05/19/14 07:40 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	05/19/14 07:40 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	05/19/14 07:40 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 07:40 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	05/19/14 07:40 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	05/19/14 07:40 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	05/19/14 07:40 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 07:40 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	05/19/14 07:40 PM
Surr: 1,2-Dichloroethane-d4	106	0	72-119	%REC		1	05/19/14 07:40 PM
Surr: 4-Bromofluorobenzene	103	0	76-119	%REC		1	05/19/14 07:40 PM
Surr: Dibromofluoromethane	106	0	85-115	%REC		1	05/19/14 07:40 PM
Surr: Toluene-d8	98.9	0	81-120	%REC		1	05/19/14 07:40 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT:	Terracon	Client Sample ID:	RBS 1
Project:	Carplex Auto Group	Lab ID:	1405211-12
Project No:	95137219C.A	Collection Date:	05/15/14 04:05 PM
Lab Order:	1405211	Matrix:	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER							
T/R Hydrocarbons: C6-C12	<0.688	0.688	1.96		mg/L	1	05/20/14 04:28 PM
T/R Hydrocarbons: >C12-C28	<0.688	0.688	1.96		mg/L	1	05/20/14 04:28 PM
T/R Hydrocarbons: >C28-C35	<0.688	0.688	1.96		mg/L	1	05/20/14 04:28 PM
T/R Hydrocarbons: C6-C35	<0.688	0.688	1.96		mg/L	1	05/20/14 04:28 PM
Surrogate: Isopropylbenzene	90.4	0	70-130	%REC		1	05/20/14 04:28 PM
Surrogate: Octacosane	78.7	0	70-130	%REC		1	05/20/14 04:28 PM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 08:05 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 08:05 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 08:05 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	05/19/14 08:05 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 08:05 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:05 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:05 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:05 PM
Acetone	0.0102	0.00500	0.0150	J	mg/L	1	05/19/14 08:05 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF- Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: RBS 1
Lab ID: 1405211-12
Collection Date: 05/15/14 04:05 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:05 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	05/19/14 08:05 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:05 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	05/19/14 08:05 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	05/19/14 08:05 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	05/19/14 08:05 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:05 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	05/19/14 08:05 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	05/19/14 08:05 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	05/19/14 08:05 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:05 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	05/19/14 08:05 PM
Surr: 1,2-Dichloroethane-d4	105	0	72-119	%REC		1	05/19/14 08:05 PM
Surr: 4-Bromofluorobenzene	103	0	76-119	%REC		1	05/19/14 08:05 PM
Surr: Dibromofluoromethane	105	0	85-115	%REC		1	05/19/14 08:05 PM
Surr: Toluene-d8	98.2	0	81-120	%REC		1	05/19/14 08:05 PM

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF - Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: Trip Blank
Lab ID: 1405211-13
Collection Date: 05/15/14
Matrix: TRIP BLANK

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 08:30 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 08:30 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 08:30 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	05/19/14 08:30 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	05/19/14 08:30 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:30 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:30 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:30 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:30 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:30 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF- Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: Trip Blank
Lab ID: 1405211-13
Collection Date: 05/15/14
Matrix: TRIP BLANK

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	05/19/14 08:30 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	05/19/14 08:30 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	05/19/14 08:30 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	05/19/14 08:30 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	05/19/14 08:30 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/19/14 08:30 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	05/19/14 08:30 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	05/19/14 08:30 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	05/19/14 08:30 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	05/19/14 08:30 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	05/19/14 08:30 PM
Surr: 1,2-Dichloroethane-d4	104	0	72-119	%REC		1	05/19/14 08:30 PM
Surr: 4-Bromofluorobenzene	99.3	0	76-119	%REC		1	05/19/14 08:30 PM
Surr: Dibromofluoromethane	105	0	85-115	%REC		1	05/19/14 08:30 PM
Surr: Toluene-d8	98.2	0	81-120	%REC		1	05/19/14 08:30 PM

Qualifiers: ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon **Client Sample ID:** MW-1 (2-3')
Project: Carplex Auto Group **Lab ID:** 1405211-15
Project No: 95137219C.A **Collection Date:** 05/16/14 10:45 AM
Lab Order: 1405211 **Matrix:** SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL							
T/R Hydrocarbons: C6-C12	<8.15	8.15	23.3		mg/Kg-dry	1	05/21/14 11:19 AM
T/R Hydrocarbons: >C12-C28	<8.15	8.15	23.3		mg/Kg-dry	1	05/21/14 11:19 AM
T/R Hydrocarbons: >C28-C35	<8.15	8.15	23.3		mg/Kg-dry	1	05/21/14 11:19 AM
T/R Hydrocarbons: C6-C35	<8.15	8.15	23.3		mg/Kg-dry	1	05/21/14 11:19 AM
Surrogate: Isopropylbenzene	114	0	70-130	%REC		1	05/21/14 11:19 AM
Surrogate: Octacosane	102	0	70-130	%REC		1	05/21/14 11:19 AM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,1,1-Trichloroethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,1,2,2-Tetrachloroethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,1,2-Trichloroethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,1-Dichloroethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,1-Dichloroethene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,1-Dichloropropene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,2,3-Trichlorobenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,2,3-Trichloropropane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,2,4-Trichlorobenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,2,4-Trimethylbenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,2-Dibromo-3-chloropropane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,2-Dibromoethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,2-Dichlorobenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,2-Dichloroethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,2-Dichloropropane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,3,5-Trimethylbenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,3-Dichlorobenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,3-Dichloropropane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
1,4-Dichlorobenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
2,2-Dichloropropane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
2-Butanone	<0.00595	0.00595	0.0179		mg/Kg-dry	1	05/20/14 12:59 AM
2-Chlorotoluene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
2-Hexanone	<0.00595	0.00595	0.0179		mg/Kg-dry	1	05/20/14 12:59 AM
4-Chlorotoluene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
4-Methyl-2-pentanone	<0.00595	0.00595	0.0179		mg/Kg-dry	1	05/20/14 12:59 AM
Acetone	<0.0179	0.0179	0.0595		mg/Kg-dry	1	05/20/14 12:59 AM
Benzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Bromobenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Bromochloromethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Bromodichloromethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW-1 (2-3')
Project:	Carplex Auto Group	Lab ID:	1405211-15
Project No:	95137219C.A	Collection Date:	05/16/14 10:45 AM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
Bromoform	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Bromomethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Carbon disulfide	<0.00595	0.00595	0.0179		mg/Kg-dry	1	05/20/14 12:59 AM
Carbon tetrachloride	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Chlorobenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Chloroethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Chloroform	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Chloromethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
cis-1,2-Dichloroethene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
cis-1,3-Dichloropropene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Dibromochloromethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Dibromomethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Dichlorodifluoromethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Ethylbenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Hexachlorobutadiene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Iodomethane	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Isopropylbenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
m,p-Xylene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Methyl tert-butyl ether	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Methylene chloride	<0.00595	0.00595	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Naphthalene	<0.00595	0.00595	0.0179		mg/Kg-dry	1	05/20/14 12:59 AM
n-Butylbenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
n-Propylbenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
o-Xylene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
p-Isopropyltoluene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
sec-Butylbenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Styrene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
tert-Butylbenzene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Tetrachloroethene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Toluene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
trans-1,2-Dichloroethene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
trans-1,3-Dichloropropene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Trichloroethene	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Trichlorofluoromethane	<0.00595	0.00595	0.0179		mg/Kg-dry	1	05/20/14 12:59 AM
Vinyl chloride	<0.00119	0.00119	0.00595		mg/Kg-dry	1	05/20/14 12:59 AM
Surr: 1,2-Dichloroethane-d4	105	0	52-149	%REC		1	05/20/14 12:59 AM
Surr: 4-Bromofluorobenzene	103	0	84-118	%REC		1	05/20/14 12:59 AM
Surr: Dibromofluoromethane	101	0	65-135	%REC		1	05/20/14 12:59 AM
Surr: Toluene-d8	96.4	0	84-116	%REC		1	05/20/14 12:59 AM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.**Date:** 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW-1 (2-3')
Project:	Carplex Auto Group	Lab ID:	1405211-15
Project No:	95137219C.A	Collection Date:	05/16/14 10:45 AM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE Percent Moisture	17.5	D2216	0	0	WT%	1	Analyst: JL 05/22/14 09:51 AM

Qualifiers:
ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon **Client Sample ID:** MW-1 (8-9')
Project: Carplex Auto Group **Lab ID:** 1405211-17
Project No: 95137219C.A **Collection Date:** 05/16/14 11:00 AM
Lab Order: 1405211 **Matrix:** SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH SOIL							
T/R Hydrocarbons: C6-C12	<7.59	7.59	21.7		mg/Kg-dry	1	05/21/14 11:28 AM
T/R Hydrocarbons: >C12-C28	<7.59	7.59	21.7		mg/Kg-dry	1	05/21/14 11:28 AM
T/R Hydrocarbons: >C28-C35	<7.59	7.59	21.7		mg/Kg-dry	1	05/21/14 11:28 AM
T/R Hydrocarbons: C6-C35	<7.59	7.59	21.7		mg/Kg-dry	1	05/21/14 11:28 AM
Surrogate: Isopropylbenzene	111	0	70-130	%REC		1	05/21/14 11:28 AM
Surrogate: Octacosane	93.1	0	70-130	%REC		1	05/21/14 11:28 AM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,1,1-Trichloroethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,1,2,2-Tetrachloroethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,1,2-Trichloroethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,1-Dichloroethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,1-Dichloroethene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,1-Dichloropropene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,2,3-Trichlorobenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,2,3-Trichloropropane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,2,4-Trichlorobenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,2,4-Trimethylbenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,2-Dibromo-3-chloropropane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,2-Dibromoethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,2-Dichlorobenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,2-Dichloroethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,2-Dichloropropane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,3,5-Trimethylbenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,3-Dichlorobenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,3-Dichloropropane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
1,4-Dichlorobenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
2,2-Dichloropropane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
2-Butanone	<0.00517	0.00517	0.0155		mg/Kg-dry	1	05/20/14 01:30 AM
2-Chlorotoluene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
2-Hexanone	<0.00517	0.00517	0.0155		mg/Kg-dry	1	05/20/14 01:30 AM
4-Chlorotoluene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
4-Methyl-2-pentanone	<0.00517	0.00517	0.0155		mg/Kg-dry	1	05/20/14 01:30 AM
Acetone	<0.0155	0.0155	0.0517		mg/Kg-dry	1	05/20/14 01:30 AM
Benzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Bromobenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Bromochloromethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Bromodichloromethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF- Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 29-May-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1405211

Client Sample ID: MW-1 (8-9')
Lab ID: 1405211-17
Collection Date: 05/16/14 11:00 AM
Matrix: SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Bromomethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Carbon disulfide	<0.00517	0.00517	0.0155		mg/Kg-dry	1	05/20/14 01:30 AM
Carbon tetrachloride	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Chlorobenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Chloroethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Chloroform	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Chloromethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
cis-1,2-Dichloroethene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
cis-1,3-Dichloropropene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Dibromochloromethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Dibromomethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Dichlorodifluoromethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Ethylbenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Hexachlorobutadiene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Iodomethane	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Isopropylbenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
m,p-Xylene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Methyl tert-butyl ether	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Methylene chloride	<0.00517	0.00517	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Naphthalene	<0.00517	0.00517	0.0155		mg/Kg-dry	1	05/20/14 01:30 AM
n-Butylbenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
n-Propylbenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
o-Xylene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
p-Isopropyltoluene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
sec-Butylbenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Styrene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
tert-Butylbenzene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Tetrachloroethene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Toluene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
trans-1,2-Dichloroethene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
trans-1,3-Dichloropropene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Trichloroethene	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Trichlorofluoromethane	<0.00517	0.00517	0.0155		mg/Kg-dry	1	05/20/14 01:30 AM
Vinyl chloride	<0.00103	0.00103	0.00517		mg/Kg-dry	1	05/20/14 01:30 AM
Surr: 1,2-Dichloroethane-d4	104	0	52-149	%REC		1	05/20/14 01:30 AM
Surr: 4-Bromofluorobenzene	102	0	84-118	%REC		1	05/20/14 01:30 AM
Surr: Dibromofluoromethane	102	0	65-135	%REC		1	05/20/14 01:30 AM
Surr: Toluene-d8	95.5	0	84-116	%REC		1	05/20/14 01:30 AM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.**Date:** 29-May-14

CLIENT:	Terracon	Client Sample ID:	MW-1 (8-9')
Project:	Carplex Auto Group	Lab ID:	1405211-17
Project No:	95137219C.A	Collection Date:	05/16/14 11:00 AM
Lab Order:	1405211	Matrix:	SOIL

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE Percent Moisture	13.3	D2216	0	0	WT%	1	Analyst: JL 05/22/14 09:51 AM

Qualifiers:
ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT**RunID: GC12_140520B**

The QC data in batch 63655 applies to the following samples: 1405211-11B, 1405211-12B

Sample ID	MB-63655	Batch ID:	63655	TestNo:	TX1005	Units:	mg/L				
SampType:	MBLK	Run ID:	GC12_140520B	Analysis Date: 5/20/2014 1:13:45 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12		<0.700	2.00								
T/R Hydrocarbons: >C12-C28		<0.700	2.00								
T/R Hydrocarbons: >C28-C35		<0.700	2.00								
T/R Hydrocarbons: C6-C35		<0.700	2.00								
Surr: Isopropylbenzene		2.52		2.500		101	70	130			
Surr: Octacosane		2.25		2.500		89.9	70	130			

Sample ID	LCS-63655	Batch ID:	63655	TestNo:	TX1005	Units:	mg/L				
SampType:	LCS	Run ID:	GC12_140520B	Analysis Date: 5/20/2014 1:22:13 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		24.8	2.00	25.00	0	99.1	75	125			
Surr: Isopropylbenzene		2.35		2.500		94.1	70	130			
Surr: Octacosane		1.93		2.500		77.2	70	130			

Sample ID	1405211-11BMS	Batch ID:	63655	TestNo:	TX1005	Units:	mg/L				
SampType:	MS	Run ID:	GC12_140520B	Analysis Date: 5/20/2014 4:11:09 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		24.9	1.95	24.37	0	102	75	125			
Surr: Isopropylbenzene		2.37		2.437		97.1	70	130			
Surr: Octacosane		1.94		2.437		79.7	70	130			

Sample ID	LCSD-63655	Batch ID:	63655	TestNo:	TX1005	Units:	mg/L				
SampType:	LCSD	Run ID:	GC12_140520B	Analysis Date: 5/20/2014 4:58:37 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		26.0	2.00	25.00	0	104	75	125	4.92	20	
Surr: Isopropylbenzene		2.38		2.500		95.1	70	130	0	0	
Surr: Octacosane		2.09		2.500		83.4	70	130	0	0	

Sample ID	1405211-11BMSD	Batch ID:	63655	TestNo:	TX1005	Units:	mg/L				
SampType:	MSD	Run ID:	GC12_140520B	Analysis Date: 5/20/2014 5:24:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		23.8	1.98	24.81	0	96.0	75	125	4.60	20	
Surr: Isopropylbenzene		2.26		2.481		91.1	70	130	0	0	
Surr: Octacosane		1.93		2.481		77.8	70	130	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140520B

Sample ID	ICV-140520	Batch ID:	R73237	TestNo:	TX1005		Units:	mg/L			
SampType:	ICV	Run ID:	GC12_140520B	Analysis Date: 5/20/2014 8:49:36 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		1220	2.00	1000	0	122	75	125			
Surr: Isopropylbenzene		54.1		50.00		108	70	130			
Surr: Octacosane		48.4		50.00		96.8	70	130			
Sample ID	CCV1-140520	Batch ID:	R73237	TestNo:	TX1005		Units:	mg/L			
SampType:	CCV	Run ID:	GC12_140520B	Analysis Date: 5/20/2014 12:33:17 PM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		606	2.00	500.0	0	121	75	125			
Surr: Isopropylbenzene		29.0		25.00		116	70	130			
Surr: Octacosane		25.1		25.00		100	70	130			
Sample ID	CCV2-140520	Batch ID:	R73237	TestNo:	TX1005		Units:	mg/L			
SampType:	CCV	Run ID:	GC12_140520B	Analysis Date: 5/21/2014 8:22:16 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		593	2.00	500.0	0	119	75	125			
Surr: Isopropylbenzene		26.0		25.00		104	70	130			
Surr: Octacosane		22.6		25.00		90.2	70	130			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140521A

The QC data in batch 63682 applies to the following samples: 1405211-01B, 1405211-03B, 1405211-04B, 1405211-05B, 1405211-07B, 1405211-08B, 1405211-09B, 1405211-15B, 1405211-17B

Sample ID	MB-63682	Batch ID:	63682	TestNo:	TX1005		Units:	mg/Kg			
SampType:	MBLK	Run ID:	GC12_140521A	Analysis Date: 5/21/2014 9:07:15 AM			Prep Date:	5/20/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12		<7.00	20.0								
T/R Hydrocarbons: >C12-C28		<7.00	20.0								
T/R Hydrocarbons: >C28-C35		<7.00	20.0								
T/R Hydrocarbons: C6-C35		<7.00	20.0								
Surr: Isopropylbenzene		27.2		25.00		109	70	130			
Surr: Octacosane		26.1		25.00		105	70	130			
Sample ID	LCS-63682	Batch ID:	63682	TestNo:	TX1005		Units:	mg/Kg			
SampType:	LCS	Run ID:	GC12_140521A	Analysis Date: 5/21/2014 9:15:42 AM			Prep Date:	5/20/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		301	20.0	250.0	0	120	75	125			
Surr: Isopropylbenzene		27.8		25.00		111	70	130			
Surr: Octacosane		25.1		25.00		100	70	130			
Sample ID	LCSD-63682	Batch ID:	63682	TestNo:	TX1005		Units:	mg/Kg			
SampType:	LCSD	Run ID:	GC12_140521A	Analysis Date: 5/21/2014 9:24:10 AM			Prep Date:	5/20/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		304	20.0	250.0	0	122	75	125	1.01	20	
Surr: Isopropylbenzene		27.9		25.00		112	70	130	0	0	
Surr: Octacosane		25.4		25.00		102	70	130	0	0	
Sample ID	1405211-05BMS	Batch ID:	63682	TestNo:	TX1005		Units:	mg/Kg-dry			
SampType:	MS	Run ID:	GC12_140521A	Analysis Date: 5/21/2014 10:37:44 AM			Prep Date:	5/20/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		358	23.8	298.1	0	120	75	125			
Surr: Isopropylbenzene		33.6		29.81		113	70	130			
Surr: Octacosane		28.9		29.81		97.0	70	130			
Sample ID	1405211-05BMSD	Batch ID:	63682	TestNo:	TX1005		Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	GC12_140521A	Analysis Date: 5/21/2014 10:46:11 AM			Prep Date:	5/20/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		330	23.6	294.6	0	112	75	125	8.16	20	
Surr: Isopropylbenzene		32.5		29.46		110	70	130	0	0	
Surr: Octacosane		25.5		29.46		86.7	70	130	0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140521A

Sample ID	ICV-140521	Batch ID:	R73250	TestNo:	TX1005		Units:	mg/Kg			
SampType:	ICV	Run ID:	GC12_140521A	Analysis Date: 5/21/2014 8:58:26 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		1250	20.0	1000	0	125	75	125			
Surr: Isopropylbenzene		55.5		50.00		111	70	130			
Surr: Octacosane		49.5		50.00		99.0	70	130			

Sample ID	CCV1-140521	Batch ID:	R73250	TestNo:	TX1005		Units:	mg/Kg			
SampType:	CCV	Run ID:	GC12_140521A	Analysis Date: 5/21/2014 1:21:38 PM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		583	20.0	500.0	0	117	75	125			
Surr: Isopropylbenzene		29.2		25.00		117	70	130			
Surr: Octacosane		26.0		25.00		104	70	130			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_140519B

The QC data in batch 63672 applies to the following samples: 1405211-01A, 1405211-03A, 1405211-04A, 1405211-05A, 1405211-07A, 1405211-08A, 1405211-09A, 1405211-15A, 1405211-17A

Sample ID	LCS-63672	Batch ID:	63672	TestNo:	SW8260C		Units:	mg/Kg			
SampType:	LCS	Run ID:	GCMS2_140519B	Analysis Date: 5/19/2014 6:11:00 PM			Prep Date:	5/19/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		0.0191	0.00500	0.0232	0	82.3	74	125			
1,1,1-Trichloroethane		0.0206	0.00500	0.0232	0	88.9	68	130			
1,1,2,2-Tetrachloroethane		0.0184	0.00500	0.0232	0	79.1	59	140			
1,1,2-Trichloroethane		0.0204	0.00500	0.0232	0	87.7	62	127			
1,1-Dichloroethane		0.0211	0.00500	0.0232	0	91.1	73	125			
1,1-Dichloroethene		0.0206	0.00500	0.0232	0	88.6	65	136			
1,1-Dichloropropene		0.0209	0.00500	0.0232	0	90.0	70	135			
1,2,3-Trichlorobenzene		0.0178	0.00500	0.0232	0	76.9	62	133			
1,2,3-Trichloropropane		0.0190	0.00500	0.0232	0	81.7	63	130			
1,2,4-Trichlorobenzene		0.0172	0.00500	0.0232	0	74.3	65	131			
1,2,4-Trimethylbenzene		0.0192	0.00500	0.0232	0	82.7	65	135			
1,2-Dibromo-3-chloropropane		0.0164	0.00500	0.0232	0	70.7	49	135			
1,2-Dibromoethane		0.0184	0.00500	0.0232	0	79.2	70	124			
1,2-Dichlorobenzene		0.0197	0.00500	0.0232	0	85.0	74	120			
1,2-Dichloroethane		0.0204	0.00500	0.0232	0	88.0	72	137			
1,2-Dichloropropane		0.0210	0.00500	0.0232	0	90.6	71	120			
1,3,5-Trimethylbenzene		0.0197	0.00500	0.0232	0	85.1	65	133			
1,3-Dichlorobenzene		0.0194	0.00500	0.0232	0	83.8	72	124			
1,3-Dichloropropane		0.0191	0.00500	0.0232	0	82.2	76	123			
1,4-Dichlorobenzene		0.0184	0.00500	0.0232	0	79.4	72	125			
2,2-Dichloropropane		0.0188	0.00500	0.0232	0	81.2	67	134			
2-Butanone		0.103	0.0150	0.116	0	88.9	60	135			
2-Chlorotoluene		0.0194	0.00500	0.0232	0	83.6	69	128			
2-Hexanone		0.0912	0.0150	0.116	0	78.6	50	150			
4-Chlorotoluene		0.0192	0.00500	0.0232	0	82.9	73	126			
4-Methyl-2-pentanone		0.0955	0.0150	0.116	0	82.3	60	135			
Acetone		0.0832	0.0500	0.116	0	71.7	40	141			
Benzene		0.0214	0.00500	0.0232	0	92.4	73	126			
Bromobenzene		0.0195	0.00500	0.0232	0	84.1	66	121			
Bromochloromethane		0.0210	0.00500	0.0232	0	90.6	71	127			
Bromodichloromethane		0.0199	0.00500	0.0232	0	85.7	72	128			
Bromoform		0.0169	0.00500	0.0232	0	72.9	66	137			
Bromomethane		0.0226	0.00500	0.0232	0	97.3	45	141			
Carbon disulfide		0.0213	0.0150	0.0232	0	91.9	50	150			
Carbon tetrachloride		0.0198	0.00500	0.0232	0	85.3	67	133			
Chlorobenzene		0.0199	0.00500	0.0232	0	85.7	75	123			
Chloroethane		0.0229	0.00500	0.0232	0	98.6	41	141			
Chloroform		0.0212	0.00500	0.0232	0	91.6	72	124			
Chloromethane		0.0208	0.00500	0.0232	0	89.5	51	129			

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_140519B

Sample ID	LCS-63672	Batch ID:	63672	TestNo:	SW8260C	Units:	mg/Kg				
SampType:	LCS	Run ID:	GCMS2_140519B	Analysis Date: 5/19/2014 6:11:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene		0.0206	0.00500	0.0232	0	88.8	67	125			
cis-1,3-Dichloropropene		0.0197	0.00500	0.0232	0	85.1	72	126			
Dibromochloromethane		0.0176	0.00500	0.0232	0	75.9	66	130			
Dibromomethane		0.0205	0.00500	0.0232	0	88.2	73	128			
Dichlorodifluoromethane		0.0189	0.00500	0.0232	0	81.5	34	136			
Ethylbenzene		0.0196	0.00500	0.0232	0	84.6	74	127			
Hexachlorobutadiene		0.0192	0.00500	0.0232	0	82.7	53	142			
Iodomethane		0.0234	0.00500	0.0232	0	101	50	150			
Isopropylbenzene		0.0191	0.00500	0.0232	0	82.4	77	129			
m,p-Xylene		0.0402	0.00500	0.0464	0	86.7	79	126			
Methyl tert-butyl ether		0.0198	0.00500	0.0232	0	85.4	50	135			
Methylene chloride		0.0223	0.00500	0.0232	0	96.1	63	137			
Naphthalene		0.0168	0.0150	0.0232	0	72.6	51	135			
n-Butylbenzene		0.0188	0.00500	0.0232	0	80.9	65	138			
n-Propylbenzene		0.0195	0.00500	0.0232	0	84.0	63	135			
o-Xylene		0.0195	0.00500	0.0232	0	83.9	77	125			
p-Isopropyltoluene		0.0194	0.00500	0.0232	0	83.6	75	133			
sec-Butylbenzene		0.0198	0.00500	0.0232	0	85.2	63	132			
Styrene		0.0185	0.00500	0.0232	0	79.8	74	128			
tert-Butylbenzene		0.0195	0.00500	0.0232	0	83.9	65	132			
Tetrachloroethene		0.0197	0.00500	0.0232	0	85.0	67	139			
Toluene		0.0207	0.00500	0.0232	0	89.4	71	127			
trans-1,2-Dichloroethene		0.0208	0.00500	0.0232	0	89.8	66	134			
trans-1,3-Dichloropropene		0.0193	0.00500	0.0232	0	83.2	65	127			
Trichloroethene		0.0214	0.00500	0.0232	0	92.3	77	124			
Trichlorofluoromethane		0.0217	0.0150	0.0232	0	93.6	49	139			
Vinyl chloride		0.0224	0.00500	0.0232	0	96.5	58	126			
Surr: 1,2-Dichloroethane-d4		48.7		50.00		97.3	52	149			
Surr: 4-Bromofluorobenzene		49.5		50.00		99.0	84	118			
Surr: Dibromofluoromethane		48.9		50.00		97.8	65	135			
Surr: Toluene-d8		48.4		50.00		96.8	84	116			

Sample ID	MB-63672	Batch ID:	63672	TestNo:	SW8260C	Units:	mg/Kg				
SampType:	MBLK	Run ID:	GCMS2_140519B	Analysis Date: 5/19/2014 7:14:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		<0.00100	0.00500								
1,1,1-Trichloroethane		<0.00100	0.00500								
1,1,2,2-Tetrachloroethane		<0.00100	0.00500								
1,1,2-Trichloroethane		<0.00100	0.00500								
1,1-Dichloroethane		<0.00100	0.00500								

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_140519B

Sample ID	MB-63672	Batch ID:	63672	TestNo:	SW8260C	Units:	mg/Kg				
SampType:	MBLK	Run ID:	GCMS2_140519B	Analysis Date: 5/19/2014 7:14:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene		<0.00100	0.00500								
1,1-Dichloropropene		<0.00100	0.00500								
1,2,3-Trichlorobenzene		<0.00100	0.00500								
1,2,3-Trichloropropane		<0.00100	0.00500								
1,2,4-Trichlorobenzene		<0.00100	0.00500								
1,2,4-Trimethylbenzene		<0.00100	0.00500								
1,2-Dibromo-3-chloropropane		<0.00100	0.00500								
1,2-Dibromoethane		<0.00100	0.00500								
1,2-Dichlorobenzene		<0.00100	0.00500								
1,2-Dichloroethane		<0.00100	0.00500								
1,2-Dichloropropane		<0.00100	0.00500								
1,3,5-Trimethylbenzene		<0.00100	0.00500								
1,3-Dichlorobenzene		<0.00100	0.00500								
1,3-Dichloropropane		<0.00100	0.00500								
1,4-Dichlorobenzene		<0.00100	0.00500								
2,2-Dichloropropane		<0.00100	0.00500								
2-Butanone		<0.00500	0.0150								
2-Chlorotoluene		<0.00100	0.00500								
2-Hexanone		<0.00500	0.0150								
4-Chlorotoluene		<0.00100	0.00500								
4-Methyl-2-pentanone		<0.00500	0.0150								
Acetone		<0.0150	0.0500								
Benzene		<0.00100	0.00500								
Bromobenzene		<0.00100	0.00500								
Bromochloromethane		<0.00100	0.00500								
Bromodichloromethane		<0.00100	0.00500								
Bromoform		<0.00100	0.00500								
Bromomethane		<0.00100	0.00500								
Carbon disulfide		<0.00500	0.0150								
Carbon tetrachloride		<0.00100	0.00500								
Chlorobenzene		<0.00100	0.00500								
Chloroethane		<0.00100	0.00500								
Chloroform		<0.00100	0.00500								
Chloromethane		<0.00100	0.00500								
cis-1,2-Dichloroethene		<0.00100	0.00500								
cis-1,3-Dichloropropene		<0.00100	0.00500								
Dibromochloromethane		<0.00100	0.00500								
Dibromomethane		<0.00100	0.00500								
Dichlorodifluoromethane		<0.00100	0.00500								
Ethylbenzene		<0.00100	0.00500								
Hexachlorobutadiene		<0.00100	0.00500								

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_140519B

Sample ID	MB-63672	Batch ID:	63672	TestNo:	SW8260C	Units:	mg/Kg				
SampType:	MBLK	Run ID:	GCMS2_140519B	Analysis Date: 5/19/2014 7:14:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iodomethane		<0.00100	0.00500								
Isopropylbenzene		<0.00100	0.00500								
m,p-Xylene		<0.00100	0.00500								
Methyl tert-butyl ether		<0.00100	0.00500								
Methylene chloride		<0.00500	0.00500								
Naphthalene		<0.00500	0.0150								
n-Butylbenzene		<0.00100	0.00500								
n-Propylbenzene		<0.00100	0.00500								
o-Xylene		<0.00100	0.00500								
p-Isopropyltoluene		<0.00100	0.00500								
sec-Butylbenzene		<0.00100	0.00500								
Styrene		<0.00100	0.00500								
tert-Butylbenzene		<0.00100	0.00500								
Tetrachloroethene		<0.00100	0.00500								
Toluene		<0.00100	0.00500								
trans-1,2-Dichloroethene		<0.00100	0.00500								
trans-1,3-Dichloropropene		<0.00100	0.00500								
Trichloroethene		<0.00100	0.00500								
Trichlorofluoromethane		<0.00500	0.0150								
Vinyl chloride		<0.00100	0.00500								
Surr: 1,2-Dichloroethane-d4		50.2		50.00		100	52	149			
Surr: 4-Bromofluorobenzene		53.2		50.00		106	84	118			
Surr: Dibromofluoromethane		48.6		50.00		97.1	65	135			
Surr: Toluene-d8		47.2		50.00		94.4	84	116			

Sample ID	1405211-05AMS	Batch ID:	63672	TestNo:	SW8260C	Units:	mg/Kg-dry				
SampType:	MS	Run ID:	GCMS2_140519B	Analysis Date: 5/19/2014 9:50:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene		0.0243	0.00556	0.0258	0	94.1	65	136			
Benzene		0.0259	0.00556	0.0258	0	100	73	126			
Chlorobenzene		0.0237	0.00556	0.0258	0	91.7	75	123			
Toluene		0.0249	0.00556	0.0258	0	96.6	71	127			
Trichloroethene		0.0253	0.00556	0.0258	0	98.0	77	124			
Surr: 1,2-Dichloroethane-d4		58.4		55.57		105	52	149			
Surr: 4-Bromofluorobenzene		54.4		55.57		97.9	84	118			
Surr: Dibromofluoromethane		57.6		55.57		104	65	135			
Surr: Toluene-d8		53.2		55.57		95.7	84	116			

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_140519B

Sample ID	1405211-05AMSD	Batch ID:	63672	TestNo:	SW8260C	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	GCMS2_140519B	Analysis Date:	5/19/2014 10:22:00 PM	Prep Date:	5/19/2014			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0248	0.00574	0.0266	0	93.3	65	136	2.33	30	
Benzene	0.0261	0.00574	0.0266	0	98.1	73	126	0.731	30	
Chlorobenzene	0.0240	0.00574	0.0266	0	90.1	75	123	1.36	30	
Toluene	0.0255	0.00574	0.0266	0	95.9	71	127	2.40	30	
Trichloroethene	0.0255	0.00574	0.0266	0	95.7	77	124	0.804	30	
Surr: 1,2-Dichloroethane-d4	60.6		57.36		106	52	149	0	0	
Surr: 4-Bromofluorobenzene	57.4		57.36		100	84	118	0	0	
Surr: Dibromofluoromethane	58.9		57.36		103	65	135	0	0	
Surr: Toluene-d8	54.6		57.36		95.1	84	116	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_140519B

Sample ID	ICV-140519	Batch ID:	R73218	TestNo:	SW8260C		Units:	mg/Kg			
SampType:	ICV	Run ID:	GCMS2_140519B	Analysis Date: 5/19/2014 5:40:00 PM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		0.0433	0.00500	0.0464	0	93.4	80	120			
1,1,1-Trichloroethane		0.0457	0.00500	0.0464	0	98.5	80	120			
1,1,2,2-Tetrachloroethane		0.0409	0.00500	0.0464	0	88.1	80	120			
1,1,2-Trichloroethane		0.0469	0.00500	0.0464	0	101	80	120			
1,1-Dichloroethane		0.0478	0.00500	0.0464	0	103	80	120			
1,1-Dichloroethene		0.0458	0.00500	0.0464	0	98.7	80	120			
1,1-Dichloropropene		0.0466	0.00500	0.0464	0	100	80	120			
1,2,3-Trichlorobenzene		0.0417	0.00500	0.0464	0	89.8	80	120			
1,2,3-Trichloropropane		0.0421	0.00500	0.0464	0	90.8	80	120			
1,2,4-Trichlorobenzene		0.0377	0.00500	0.0464	0	81.3	80	120			
1,2,4-Trimethylbenzene		0.0428	0.00500	0.0464	0	92.2	80	120			
1,2-Dibromo-3-chloropropane		0.0351	0.00500	0.0464	0	75.7	80	120			S
1,2-Dibromoethane		0.0426	0.00500	0.0464	0	91.7	80	120			
1,2-Dichlorobenzene		0.0423	0.00500	0.0464	0	91.1	80	120			
1,2-Dichloroethane		0.0466	0.00500	0.0464	0	100	80	120			
1,2-Dichloropropane		0.0484	0.00500	0.0464	0	104	80	120			
1,3,5-Trimethylbenzene		0.0434	0.00500	0.0464	0	93.5	80	120			
1,3-Dichlorobenzene		0.0422	0.00500	0.0464	0	91.0	80	120			
1,3-Dichloropropane		0.0436	0.00500	0.0464	0	94.1	80	120			
1,4-Dichlorobenzene		0.0423	0.00500	0.0464	0	91.2	80	120			
2,2-Dichloropropane		0.0434	0.00500	0.0464	0	93.5	80	120			
2-Butanone		0.237	0.0150	0.232	0	102	80	120			
2-Chlorotoluene		0.0433	0.00500	0.0464	0	93.3	80	120			
2-Hexanone		0.220	0.0150	0.232	0	94.8	80	120			
4-Chlorotoluene		0.0424	0.00500	0.0464	0	91.4	80	120			
4-Methyl-2-pentanone		0.225	0.0150	0.232	0	97.2	80	120			
Acetone		0.217	0.0500	0.232	0	93.7	80	120			
Benzene		0.0475	0.00500	0.0464	0	102	80	120			
Bromobenzene		0.0427	0.00500	0.0464	0	92.0	80	120			
Bromochloromethane		0.0489	0.00500	0.0464	0	105	80	120			
Bromodichloromethane		0.0460	0.00500	0.0464	0	99.1	80	120			
Bromoform		0.0412	0.00500	0.0464	0	88.7	80	120			
Bromomethane		0.0461	0.00500	0.0464	0	99.4	80	120			
Carbon disulfide		0.0484	0.0150	0.0464	0	104	80	120			
Carbon tetrachloride		0.0445	0.00500	0.0464	0	95.9	80	120			
Chlorobenzene		0.0444	0.00500	0.0464	0	95.7	80	120			
Chloroethane		0.0479	0.00500	0.0464	0	103	80	120			
Chloroform		0.0475	0.00500	0.0464	0	102	80	120			
Chloromethane		0.0446	0.00500	0.0464	0	96.2	80	120			
cis-1,2-Dichloroethene		0.0477	0.00500	0.0464	0	103	80	120			
cis-1,3-Dichloropropene		0.0459	0.00500	0.0464	0	98.9	80	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_140519B

Sample ID	ICV-140519	Batch ID:	R73218	TestNo:	SW8260C		Units:	mg/Kg			
SampType:	ICV	Run ID:	GCMS2_140519B	Analysis Date: 5/19/2014 5:40:00 PM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dibromochloromethane		0.0421	0.00500	0.0464	0	90.6	80	120			
Dibromomethane		0.0466	0.00500	0.0464	0	100	80	120			
Dichlorodifluoromethane		0.0412	0.00500	0.0464	0	88.8	80	120			
Ethylbenzene		0.0443	0.00500	0.0464	0	95.4	80	120			
Hexachlorobutadiene		0.0419	0.00500	0.0464	0	90.3	80	120			
Iodomethane		0.0519	0.00500	0.0464	0	112	80	120			
Isopropylbenzene		0.0445	0.00500	0.0464	0	96.0	80	120			
m,p-Xylene		0.0891	0.00500	0.0928	0	96.1	80	120			
Methyl tert-butyl ether		0.0456	0.00500	0.0464	0	98.4	80	120			
Methylene chloride		0.0510	0.00500	0.0464	0	110	80	120			
Naphthalene		0.0360	0.0150	0.0464	0	77.7	80	120			S
n-Butylbenzene		0.0428	0.00500	0.0464	0	92.3	80	120			
n-Propylbenzene		0.0434	0.00500	0.0464	0	93.6	80	120			
o-Xylene		0.0439	0.00500	0.0464	0	94.6	80	120			
p-Isopropyltoluene		0.0428	0.00500	0.0464	0	92.3	80	120			
sec-Butylbenzene		0.0445	0.00500	0.0464	0	95.8	80	120			
Styrene		0.0458	0.00500	0.0464	0	98.7	80	120			
tert-Butylbenzene		0.0434	0.00500	0.0464	0	93.5	80	120			
Tetrachloroethene		0.0432	0.00500	0.0464	0	93.1	80	120			
Toluene		0.0470	0.00500	0.0464	0	101	80	120			
trans-1,2-Dichloroethene		0.0469	0.00500	0.0464	0	101	80	120			
trans-1,3-Dichloropropene		0.0458	0.00500	0.0464	0	98.7	80	120			
Trichloroethene		0.0475	0.00500	0.0464	0	102	80	120			
Trichlorofluoromethane		0.0484	0.0150	0.0464	0	104	80	120			
Vinyl chloride		0.0471	0.00500	0.0464	0	102	80	120			
Surr: 1,2-Dichloroethane-d4		49.4		50.00		98.8	52	149			
Surr: 4-Bromofluorobenzene		48.1		50.00		96.2	84	118			
Surr: Dibromofluoromethane		50.9		50.00		102	65	135			
Surr: Toluene-d8		48.0		50.00		95.9	84	116			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140519B

The QC data in batch 63664 applies to the following samples: 1405211-11A, 1405211-12A, 1405211-13A

Sample ID	LCS-63664	Batch ID:	63664	TestNo:	SW8260C		Units:	mg/L			
SampType:	LCS	Run ID:	GCMS5_140519B	Analysis Date: 5/19/2014 12:57:00 PM			Prep Date:	5/19/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		0.0247	0.00100	0.0232	0	106	81	129			
1,1,1-Trichloroethane		0.0254	0.00100	0.0232	0	109	67	132			
1,1,2,2-Tetrachloroethane		0.0237	0.00100	0.0232	0	102	63	128			
1,1,2-Trichloroethane		0.0250	0.00100	0.0232	0	108	75	125			
1,1-Dichloroethane		0.0249	0.00100	0.0232	0	107	69	133			
1,1-Dichloroethene		0.0234	0.00100	0.0232	0	101	68	130			
1,1-Dichloropropene		0.0248	0.00100	0.0232	0	107	73	132			
1,2,3-Trichlorobenzene		0.0227	0.00500	0.0232	0	98.0	67	137			
1,2,3-Trichloropropane		0.0240	0.00100	0.0232	0	103	73	124			
1,2,4-Trichlorobenzene		0.0230	0.00500	0.0232	0	99.2	66	134			
1,2,4-Trimethylbenzene		0.0238	0.00500	0.0232	0	103	74	132			
1,2-Dibromo-3-chloropropane		0.0231	0.0100	0.0232	0	99.7	50	132			
1,2-Dibromoethane		0.0247	0.00100	0.0232	0	106	80	121			
1,2-Dichlorobenzene		0.0242	0.00100	0.0232	0	104	75	125			
1,2-Dichloroethane		0.0250	0.00100	0.0232	0	108	68	127			
1,2-Dichloropropane		0.0253	0.00100	0.0232	0	109	75	125			
1,3,5-Trimethylbenzene		0.0236	0.00500	0.0232	0	102	74	131			
1,3-Dichlorobenzene		0.0242	0.00100	0.0232	0	104	75	124			
1,3-Dichloropropane		0.0242	0.00100	0.0232	0	105	73	126			
1,4-Dichlorobenzene		0.0236	0.00100	0.0232	0	102	74	123			
2,2-Dichloropropane		0.0253	0.00100	0.0232	0	109	69	137			
2-Butanone		0.115	0.0150	0.116	0	99.4	49	136			
2-Chlorotoluene		0.0241	0.00100	0.0232	0	104	73	126			
2-Hexanone		0.112	0.0150	0.116	0	96.9	50	150			
4-Chlorotoluene		0.0243	0.00100	0.0232	0	105	74	128			
4-Methyl-2-pentanone		0.115	0.0150	0.116	0	99.3	58	134			
Acetone		0.114	0.0150	0.116	0	98.2	40	135			
Benzene		0.0248	0.00100	0.0232	0	107	81	120			
Bromobenzene		0.0239	0.00100	0.0232	0	103	76	124			
Bromo(chloromethane)		0.0254	0.00100	0.0232	0	110	65	129			
Bromodichloromethane		0.0254	0.00100	0.0232	0	110	76	121			
Bromoform		0.0217	0.00100	0.0232	0	93.4	69	128			
Bromomethane		0.0243	0.00100	0.0232	0	105	53	141			
Carbon disulfide		0.0231	0.0150	0.0232	0	99.5	50	150			
Carbon tetrachloride		0.0251	0.00100	0.0232	0	108	66	138			
Chlorobenzene		0.0241	0.00100	0.0232	0	104	81	122			
Chloroethane		0.0259	0.00100	0.0232	0	112	58	133			
Chloroform		0.0248	0.00100	0.0232	0	107	69	128			
Chloromethane		0.0249	0.00100	0.0232	0	107	56	131			
cis-1,2-Dichloroethene		0.0249	0.00100	0.0232	0	107	72	126			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140519B

Sample ID	LCS-63664	Batch ID:	63664	TestNo:	SW8260C	Units:	mg/L				
SampType:	LCS	Run ID:	GCMS5_140519B	Analysis Date: 5/19/2014 12:57:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene		0.0226	0.00100	0.0232	0	97.3	69	131			
Dibromochloromethane		0.0217	0.00100	0.0232	0	93.6	66	133			
Dibromomethane		0.0248	0.00100	0.0232	0	107	76	125			
Dichlorodifluoromethane		0.0230	0.00100	0.0232	0	99.2	53	153			
Ethylbenzene		0.0243	0.00100	0.0232	0	105	80	120			
Hexachlorobutadiene		0.0230	0.00300	0.0232	0	99.2	67	131			
Iodomethane		0.0263	0.0150	0.0232	0	113	50	150			
Isopropylbenzene		0.0248	0.00100	0.0232	0	107	75	127			
m,p-Xylene		0.0493	0.00200	0.0464	0	106	80	120			
Methyl tert-butyl ether		0.0257	0.00100	0.0232	0	111	68	123			
Methylene chloride		0.0257	0.00250	0.0232	0	111	63	137			
Naphthalene		0.0228	0.00500	0.0232	0	98.2	54	138			
n-Butylbenzene		0.0229	0.00100	0.0232	0	98.5	69	137			
n-Propylbenzene		0.0242	0.00100	0.0232	0	104	72	129			
o-Xylene		0.0254	0.00100	0.0232	0	109	80	120			
p-Isopropyltoluene		0.0229	0.00100	0.0232	0	98.9	73	130			
sec-Butylbenzene		0.0242	0.00100	0.0232	0	104	72	127			
Styrene		0.0226	0.00100	0.0232	0	97.5	65	134			
tert-Butylbenzene		0.0245	0.00100	0.0232	0	106	70	129			
Tetrachloroethene		0.0241	0.00200	0.0232	0	104	66	128			
Toluene		0.0245	0.00200	0.0232	0	106	80	120			
trans-1,2-Dichloroethene		0.0248	0.00100	0.0232	0	107	63	137			
trans-1,3-Dichloropropene		0.0225	0.00100	0.0232	0	96.9	59	135			
Trichloroethene		0.0250	0.00200	0.0232	0	108	70	127			
Trichlorofluoromethane		0.0247	0.00100	0.0232	0	107	57	129			
Vinyl chloride		0.0258	0.00100	0.0232	0	111	50	134			
Surr: 1,2-Dichloroethane-d4		206		200.0		103	72	119			
Surr: 4-Bromofluorobenzene		198		200.0		99.2	76	119			
Surr: Dibromofluoromethane		209		200.0		104	85	115			
Surr: Toluene-d8		195		200.0		97.4	81	120			

Sample ID	MB-63664	Batch ID:	63664	TestNo:	SW8260C	Units:	mg/L				
SampType:	MBLK	Run ID:	GCMS5_140519B	Analysis Date: 5/19/2014 1:48:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		<0.000200	0.00100								
1,1,1-Trichloroethane		<0.000200	0.00100								
1,1,2,2-Tetrachloroethane		<0.000200	0.00100								
1,1,2-Trichloroethane		<0.000200	0.00100								
1,1-Dichloroethane		<0.000200	0.00100								
1,1-Dichloroethene		<0.000200	0.00100								

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140519B

Sample ID	MB-63664	Batch ID:	63664	TestNo:	SW8260C	Units:	mg/L				
SampType:	MBLK	Run ID:	GCMS5_140519B	Analysis Date: 5/19/2014 1:48:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene		<0.000200	0.00100								
1,2,3-Trichlorobenzene		<0.00200	0.00500								
1,2,3-Trichloropropane		<0.000300	0.00100								
1,2,4-Trichlorobenzene		<0.00200	0.00500								
1,2,4-Trimethylbenzene		<0.00200	0.00500								
1,2-Dibromo-3-chloropropane		<0.00300	0.0100								
1,2-Dibromoethane		<0.000200	0.00100								
1,2-Dichlorobenzene		<0.000300	0.00100								
1,2-Dichloroethane		<0.000300	0.00100								
1,2-Dichloropropane		<0.000200	0.00100								
1,3,5-Trimethylbenzene		<0.00200	0.00500								
1,3-Dichlorobenzene		<0.000300	0.00100								
1,3-Dichloropropane		<0.000200	0.00100								
1,4-Dichlorobenzene		<0.000300	0.00100								
2,2-Dichloropropane		<0.000200	0.00100								
2-Butanone		<0.00500	0.0150								
2-Chlorotoluene		<0.000300	0.00100								
2-Hexanone		<0.00500	0.0150								
4-Chlorotoluene		<0.000300	0.00100								
4-Methyl-2-pentanone		<0.00500	0.0150								
Acetone		<0.00500	0.0150								
Benzene		<0.000200	0.00100								
Bromobenzene		<0.000200	0.00100								
Bromochloromethane		<0.000200	0.00100								
Bromodichloromethane		<0.000200	0.00100								
Bromoform		<0.000200	0.00100								
Bromomethane		<0.000300	0.00100								
Carbon disulfide		<0.00500	0.0150								
Carbon tetrachloride		<0.000200	0.00100								
Chlorobenzene		<0.000200	0.00100								
Chloroethane		<0.000300	0.00100								
Chloroform		<0.000300	0.00100								
Chloromethane		<0.000300	0.00100								
cis-1,2-Dichloroethene		<0.000200	0.00100								
cis-1,3-Dichloropropene		<0.000200	0.00100								
Dibromochloromethane		<0.000200	0.00100								
Dibromomethane		<0.000200	0.00100								
Dichlorodifluoromethane		<0.000200	0.00100								
Ethylbenzene		<0.000300	0.00100								
Hexachlorobutadiene		<0.00100	0.00300								
Iodomethane		<0.00500	0.0150								

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140519B

Sample ID	MB-63664	Batch ID:	63664	TestNo:	SW8260C	Units:	mg/L				
SampType:	MBLK	Run ID:	GCMS5_140519B	Analysis Date: 5/19/2014 1:48:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Isopropylbenzene		<0.000200	0.00100								
m,p-Xylene		<0.000600	0.00200								
Methyl tert-butyl ether		<0.000300	0.00100								
Methylene chloride		<0.00250	0.00250								
Naphthalene		<0.00500	0.00500								
n-Butylbenzene		<0.000300	0.00100								
n-Propylbenzene		<0.000300	0.00100								
o-Xylene		<0.000300	0.00100								
p-Isopropyltoluene		<0.000300	0.00100								
sec-Butylbenzene		<0.000300	0.00100								
Styrene		<0.000200	0.00100								
tert-Butylbenzene		<0.000300	0.00100								
Tetrachloroethene		<0.000700	0.00200								
Toluene		<0.000700	0.00200								
trans-1,2-Dichloroethene		<0.000200	0.00100								
trans-1,3-Dichloropropene		<0.000200	0.00100								
Trichloroethene		<0.000700	0.00200								
Trichlorofluoromethane		<0.000200	0.00100								
Vinyl chloride		<0.000100	0.00100								
Surr: 1,2-Dichloroethane-d4		206		200.0		103	72	119			
Surr: 4-Bromofluorobenzene		205		200.0		103	76	119			
Surr: Dibromofluoromethane		207		200.0		104	85	115			
Surr: Toluene-d8		200		200.0		100	81	120			

Sample ID	1405207-01AMS	Batch ID:	63664	TestNo:	SW8260C	Units:	mg/L				
SampType:	MS	Run ID:	GCMS5_140519B	Analysis Date: 5/19/2014 10:10:00 PM		Prep Date:	5/19/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene		0.452	0.0200	0.464	0	97.4	68	130			
Benzene		0.484	0.0200	0.464	0.00400	103	81	120			
Chlorobenzene		0.463	0.0200	0.464	0	99.8	81	122			
Toluene		0.488	0.0400	0.464	0	105	80	120			
Trichloroethene		0.557	0.0400	0.464	0.0282	114	70	127			
Surr: 1,2-Dichloroethane-d4		4160		4000		104	72	119			
Surr: 4-Bromofluorobenzene		3810		4000		95.3	76	119			
Surr: Dibromofluoromethane		4210		4000		105	85	115			
Surr: Toluene-d8		3840		4000		96.1	81	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140519B

Sample ID	1405207-01AMSD	Batch ID:	63664	TestNo:	SW8260C	Units:	mg/L			
SampType:	MSD	Run ID:	GCMS5_140519B	Analysis Date: 5/19/2014 10:36:00 PM		Prep Date:	5/19/2014			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.436	0.0200	0.464	0	93.9	68	130	3.70	20	
Benzene	0.474	0.0200	0.464	0.00400	101	81	120	2.13	20	
Chlorobenzene	0.452	0.0200	0.464	0	97.4	81	122	2.49	20	
Toluene	0.483	0.0400	0.464	0	104	80	120	1.03	20	
Trichloroethene	0.542	0.0400	0.464	0.0282	111	70	127	2.69	20	
Surr: 1,2-Dichloroethane-d4	4250		4000		106	72	119	0	0	
Surr: 4-Bromofluorobenzene	3850		4000		96.2	76	119	0	0	
Surr: Dibromofluoromethane	4220		4000		105	85	115	0	0	
Surr: Toluene-d8	3830		4000		95.9	81	120	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140519B

Sample ID	ICV-140519	Batch ID:	R73223	TestNo:	SW8260C	Units:	mg/L				
SampType:	ICV	Run ID:	GCMS5_140519B	Analysis Date: 5/19/2014 12:31:00 PM		Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		0.0515	0.00100	0.0464	0	111	80	120			
1,1,1-Trichloroethane		0.0515	0.00100	0.0464	0	111	80	120			
1,1,2,2-Tetrachloroethane		0.0495	0.00100	0.0464	0	107	80	120			
1,1,2-Trichloroethane		0.0512	0.00100	0.0464	0	110	80	120			
1,1-Dichloroethane		0.0502	0.00100	0.0464	0	108	80	120			
1,1-Dichloroethene		0.0501	0.00100	0.0464	0	108	80	120			
1,1-Dichloropropene		0.0508	0.00100	0.0464	0	110	80	120			
1,2,3-Trichlorobenzene		0.0462	0.00500	0.0464	0	99.7	80	120			
1,2,3-Trichloropropane		0.0513	0.00100	0.0464	0	110	80	120			
1,2,4-Trichlorobenzene		0.0467	0.00500	0.0464	0	101	80	120			
1,2,4-Trimethylbenzene		0.0482	0.00500	0.0464	0	104	80	120			
1,2-Dibromo-3-chloropropane		0.0493	0.0100	0.0464	0	106	80	120			
1,2-Dibromoethane		0.0517	0.00100	0.0464	0	112	80	120			
1,2-Dichlorobenzene		0.0495	0.00100	0.0464	0	107	80	120			
1,2-Dichloroethane		0.0502	0.00100	0.0464	0	108	80	120			
1,2-Dichloropropane		0.0507	0.00100	0.0464	0	109	80	120			
1,3,5-Trimethylbenzene		0.0485	0.00500	0.0464	0	104	80	120			
1,3-Dichlorobenzene		0.0486	0.00100	0.0464	0	105	80	120			
1,3-Dichloropropane		0.0500	0.00100	0.0464	0	108	80	120			
1,4-Dichlorobenzene		0.0478	0.00100	0.0464	0	103	80	120			
2,2-Dichloropropane		0.0531	0.00100	0.0464	0	114	80	120			
2-Butanone		0.244	0.0150	0.232	0	105	80	120			
2-Chlorotoluene		0.0486	0.00100	0.0464	0	105	80	120			
2-Hexanone		0.244	0.0150	0.232	0	105	80	120			
4-Chlorotoluene		0.0492	0.00100	0.0464	0	106	80	120			
4-Methyl-2-pentanone		0.243	0.0150	0.232	0	105	80	120			
Acetone		0.249	0.0150	0.232	0	107	80	120			
Benzene		0.0494	0.00100	0.0464	0	106	80	120			
Bromobenzene		0.0486	0.00100	0.0464	0	105	80	120			
Bromochloromethane		0.0506	0.00100	0.0464	0	109	80	120			
Bromodichloromethane		0.0525	0.00100	0.0464	0	113	80	120			
Bromoform		0.0461	0.00100	0.0464	0	99.3	80	120			
Bromomethane		0.0471	0.00100	0.0464	0	102	80	120			
Carbon disulfide		0.0499	0.0150	0.0464	0	108	80	120			
Carbon tetrachloride		0.0526	0.00100	0.0464	0	113	80	120			
Chlorobenzene		0.0484	0.00100	0.0464	0	104	80	120			
Chloroethane		0.0499	0.00100	0.0464	0	108	80	120			
Chloroform		0.0503	0.00100	0.0464	0	108	80	120			
Chloromethane		0.0480	0.00100	0.0464	0	103	80	120			
cis-1,2-Dichloroethene		0.0496	0.00100	0.0464	0	107	80	120			
cis-1,3-Dichloropropene		0.0465	0.00100	0.0464	0	100	80	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140519B

Sample ID	ICV-140519	Batch ID:	R73223	TestNo:	SW8260C	Units:	mg/L				
SampType:	ICV	Run ID:	GCMS5_140519B	Analysis Date: 5/19/2014 12:31:00 PM		Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dibromochloromethane		0.0449	0.00100	0.0464	0	96.9	80	120			
Dibromomethane		0.0504	0.00100	0.0464	0	109	80	120			
Dichlorodifluoromethane		0.0451	0.00100	0.0464	0	97.3	80	120			
Ethylbenzene		0.0491	0.00100	0.0464	0	106	80	120			
Hexachlorobutadiene		0.0503	0.00300	0.0464	0	108	80	120			
Iodomethane		0.0418	0.0150	0.0464	0	90.0	80	120			
Isopropylbenzene		0.0514	0.00100	0.0464	0	111	80	120			
m,p-Xylene		0.100	0.00200	0.0928	0	108	80	120			
Methyl tert-butyl ether		0.0535	0.00100	0.0464	0	115	80	120			
Methylene chloride		0.0465	0.00250	0.0464	0	100	80	120			
Naphthalene		0.0462	0.00500	0.0464	0	99.7	80	120			
n-Butylbenzene		0.0468	0.00100	0.0464	0	101	80	120			
n-Propylbenzene		0.0492	0.00100	0.0464	0	106	80	120			
o-Xylene		0.0513	0.00100	0.0464	0	110	80	120			
p-Isopropyltoluene		0.0460	0.00100	0.0464	0	99.2	80	120			
sec-Butylbenzene		0.0495	0.00100	0.0464	0	107	80	120			
Styrene		0.0464	0.00100	0.0464	0	100	80	120			
tert-Butylbenzene		0.0498	0.00100	0.0464	0	107	80	120			
Tetrachloroethene		0.0478	0.00200	0.0464	0	103	80	120			
Toluene		0.0498	0.00200	0.0464	0	107	80	120			
trans-1,2-Dichloroethene		0.0506	0.00100	0.0464	0	109	80	120			
trans-1,3-Dichloropropene		0.0463	0.00100	0.0464	0	99.7	80	120			
Trichloroethene		0.0494	0.00200	0.0464	0	106	80	120			
Trichlorofluoromethane		0.0509	0.00100	0.0464	0	110	80	120			
Vinyl chloride		0.0498	0.00100	0.0464	0	107	80	120			
Surr: 1,2-Dichloroethane-d4		204		200.0		102	72	119			
Surr: 4-Bromofluorobenzene		196		200.0		98.0	76	119			
Surr: Dibromofluoromethane		208		200.0		104	85	115			
Surr: Toluene-d8		196		200.0		97.8	81	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_140521A

The QC data in batch 63717 applies to the following samples: 1405211-01B, 1405211-03B, 1405211-04B, 1405211-05B, 1405211-07B, 1405211-08B, 1405211-09B, 1405211-15B, 1405211-17B

Sample ID	1405213-11B-DUP	Batch ID:	63717	TestNo:	D2216	Units:	WT%				
SampType:	DUP	Run ID:	PMOIST_140521A	Analysis Date:	5/22/2014 9:51:00 AM	Prep Date:	5/21/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture		18.1	0	0	18.15				0.203	30	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

MQL SUMMARY REPORT

TestNo: TX1005	MDL	MQL
Analyte	mg/Kg	mg/Kg
T/R Hydrocarbons: C6-C12	7.00	20.0
T/R Hydrocarbons: >C12-C28	7.00	20.0
T/R Hydrocarbons: >C28-C35	7.00	20.0
T/R Hydrocarbons: C6-C35	7.00	20.0

TestNo: TX1005	MDL	MQL
Analyte	mg/L	mg/L
T/R Hydrocarbons: C6-C12	0.700	2.00
T/R Hydrocarbons: >C12-C28	0.700	2.00
T/R Hydrocarbons: >C28-C35	0.700	2.00
T/R Hydrocarbons: C6-C35	0.700	2.00

TestNo: SW8260C	MDL	MQL
Analyte	mg/Kg	mg/Kg
1,1,1,2-Tetrachloroethane	0.00100	0.00500
1,1,1-Trichloroethane	0.00100	0.00500
1,1,2,2-Tetrachloroethane	0.00100	0.00500
1,1,2-Trichloroethane	0.00100	0.00500
1,1-Dichloroethane	0.00100	0.00500
1,1-Dichloroethene	0.00100	0.00500
1,1-Dichloropropene	0.00100	0.00500
1,2,3-Trichlorobenzene	0.00100	0.00500
1,2,3-Trichloropropane	0.00100	0.00500
1,2,4-Trichlorobenzene	0.00100	0.00500
1,2,4-Trimethylbenzene	0.00100	0.00500
1,2-Dibromo-3-chloropropane	0.00100	0.00500
1,2-Dibromoethane	0.00100	0.00500
1,2-Dichlorobenzene	0.00100	0.00500
1,2-Dichloroethane	0.00100	0.00500
1,2-Dichloropropane	0.00100	0.00500
1,3,5-Trimethylbenzene	0.00100	0.00500
1,3-Dichlorobenzene	0.00100	0.00500
1,3-Dichloropropane	0.00100	0.00500
1,4-Dichlorobenzene	0.00100	0.00500
2,2-Dichloropropane	0.00100	0.00500
2-Butanone	0.00500	0.0150
2-Chlorotoluene	0.00100	0.00500
2-Hexanone	0.00500	0.0150
4-Chlorotoluene	0.00100	0.00500
4-Methyl-2-pentanone	0.00500	0.0150
Acetone	0.0150	0.0500
Benzene	0.00100	0.00500
Bromobenzene	0.00100	0.00500
Bromochloromethane	0.00100	0.00500
Bromodichloromethane	0.00100	0.00500
Bromoform	0.00100	0.00500
Bromomethane	0.00100	0.00500
Carbon disulfide	0.00500	0.0150
Carbon tetrachloride	0.00100	0.00500
Chlorobenzene	0.00100	0.00500
Chloroethane	0.00100	0.00500
Chloroform	0.00100	0.00500
Chloromethane	0.00100	0.00500
cis-1,2-Dichloroethene	0.00100	0.00500
cis-1,3-Dichloropropene	0.00100	0.00500
Dibromochloromethane	0.00100	0.00500
Dibromomethane	0.00100	0.00500
Dichlorodifluoromethane	0.00100	0.00500

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

MQL SUMMARY REPORT

			TestNo: SW8260C	MDL	MQL
			Analyte	mg/L	mg/L
Ethylbenzene	0.00100	0.00500	1,1,1,2-Tetrachloroethane	0.000200	0.00100
Hexachlorobutadiene	0.00100	0.00500	1,1,1-Trichloroethane	0.000200	0.00100
Iodomethane	0.00100	0.00500	1,1,2,2-Tetrachloroethane	0.000200	0.00100
Isopropylbenzene	0.00100	0.00500	1,1,2-Trichloroethane	0.000200	0.00100
m,p-Xylene	0.00100	0.00500	1,1-Dichloroethane	0.000200	0.00100
Methyl tert-butyl ether	0.00100	0.00500	1,1-Dichloroethene	0.000200	0.00100
Methylene chloride	0.00500	0.00500	1,1-Dichloropropene	0.000200	0.00100
Naphthalene	0.00500	0.0150	1,2,3-Trichlorobenzene	0.00200	0.00500
n-Butylbenzene	0.00100	0.00500	1,2,3-Trichloropropane	0.000300	0.00100
n-Propylbenzene	0.00100	0.00500	1,2,4-Trichlorobenzene	0.00200	0.00500
o-Xylene	0.00100	0.00500	1,2,4-Trimethylbenzene	0.00300	0.0100
p-Isopropyltoluene	0.00100	0.00500	1,2-Dibromo-3-chloropropane	0.000200	0.00100
sec-Butylbenzene	0.00100	0.00500	1,2-Dibromoethane	0.000300	0.00100
Styrene	0.00100	0.00500	1,2-Dichlorobenzene	0.000200	0.00500
tert-Butylbenzene	0.00100	0.00500	1,2-Dichloroethane	0.000300	0.00100
Tetrachloroethene	0.00100	0.00500	1,2-Dichloropropane	0.000200	0.00100
Toluene	0.00100	0.00500	1,3,5-Trimethylbenzene	0.00200	0.00500
trans-1,2-Dichloroethene	0.00100	0.00500	1,3-Dichlorobenzene	0.000300	0.00100
trans-1,3-Dichloropropene	0.00100	0.00500	1,3-Dichloropropane	0.000200	0.00100
Trichloroethene	0.00100	0.00500	1,4-Dichlorobenzene	0.000300	0.00100
Trichlorofluoromethane	0.00500	0.0150	2,2-Dichloropropane	0.000200	0.00100
Vinyl chloride	0.00100	0.00500	2-Butanone	0.00500	0.0150
			2-Chlorotoluene	0.000300	0.00100
			2-Hexanone	0.00500	0.0150
			4-Chlorotoluene	0.000300	0.00100
			4-Methyl-2-pentanone	0.00500	0.0150
			Acetone	0.00500	0.0150
			Benzene	0.000200	0.00100
			Bromobenzene	0.000200	0.00100
			Bromochloromethane	0.000200	0.00100
			Bromodichloromethane	0.000200	0.00100
			Bromoform	0.000200	0.00100
			Bromomethane	0.000300	0.00100
			Carbon disulfide	0.00500	0.0150
			Carbon tetrachloride	0.000200	0.00100
			Chlorobenzene	0.000200	0.00100
			Chloroethane	0.000300	0.00100
			Chloroform	0.000300	0.00100
			Chloromethane	0.000300	0.00100
			cis-1,2-Dichloroethene	0.000200	0.00100
			cis-1,3-Dichloropropene	0.000200	0.00100
			Dibromochloromethane	0.000200	0.00100
			Dibromomethane	0.000200	0.00100
			Dichlorodifluoromethane	0.000200	0.00100
			Ethylbenzene	0.000300	0.00100
			Hexachlorobutadiene	0.00100	0.00300

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

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CLIENT: Terracon
Work Order: 1405211
Project: Carplex Auto Group

MQL SUMMARY REPORT

Iodomethane	0.00500	0.0150
Isopropylbenzene	0.000200	0.00100
m,p-Xylene	0.000600	0.00200
Methyl tert-butyl ether	0.000300	0.00100
Methylene chloride	0.00250	0.00250
Naphthalene	0.00500	0.00500
n-Butylbenzene	0.000300	0.00100
n-Propylbenzene	0.000300	0.00100
o-Xylene	0.000300	0.00100
p-Isopropyltoluene	0.000300	0.00100
sec-Butylbenzene	0.000300	0.00100
Styrene	0.000200	0.00100
tert-Butylbenzene	0.000300	0.00100
Tetrachloroethene	0.000700	0.00200
Toluene	0.000700	0.00200
trans-1,2-Dichloroethene	0.000200	0.00100
trans-1,3-Dichloropropene	0.000200	0.00100
Trichloroethene	0.000700	0.00200
Trichlorofluoromethane	0.000200	0.00100
Vinyl chloride	0.000100	0.00100



June 16, 2014

R. Wade Watkins
Terracon
2501 East Loop 820 North
Ft Worth, TX 76118
TEL: (817) 268-8600
FAX (817) 268-8602
RE: Carplex Auto Group

Order No.: 1406068

Dear R. Wade Watkins:

DHL Analytical, Inc. received 8 sample(s) on 6/6/2014 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

A handwritten signature in blue ink that appears to read "John DuPont" followed by "for".

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-14-12



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Questions? Call 800-800-8984

Airbill No. 48111177



48111177

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1. To:		2. From:	
Print Name (Person)	Phone (Important)	Print Name (Person)	Phone (Important)
Company Name	John Doe		
Street Address (No P.O. Box or P.O. Box Zip Code® Deliveries)		12345 Main St. Apt. H	
Suite / Floor		H	
City	State	City	State
Indianapolis	IN	Indianapolis	IN
Zip		Zip	46215
3. Service:			
Visit www.lso.com for availability of services to your destination and enjoy added features by creating your shipping label online.			
<input checked="" type="checkbox"/> LSO-Priority Overnight* By 10:30 a.m. to most cities		<input type="checkbox"/> LSO Saturday*	
<input type="checkbox"/> LSO Early Overnight* By 8:30 a.m. select cities		<input type="checkbox"/> Other _____	
<input type="checkbox"/> LSO Economy Next Day* By 3 p.m. to most cities		*Check commitment times and availability at www.lso.com	
<input type="checkbox"/> LSO Ground		Assumed LSO Priority Overnight service unless otherwise noted.	
<input type="checkbox"/> Deliver Without Delivery Signature (See Limits of Liability below)			
Release Signature _____			
L x W x H			
4. Package:			
Weight: _____			
Your Company's Billing Reference Information			
Ship Date: (mm/dd/yy) _____			
5. Payment:			
Driver Number 650			
<input type="checkbox"/> Check here if LSO Supplies are used with LSO Ground Service.			
Pick-up Location _____			
Date: _____			
Time: _____			
City Code: _____			

LIMIT OF LIABILITY: We are not responsible for claims in excess of \$100 for any reason unless you: 1) declare a greater value (not to exceed \$25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR LSO EARLY OVERNIGHT SERVICE. PACKAGING PROVIDED BY LSO IS NOT INTENDED FOR USE ON LSO GROUND SERVICE. OVERSIZE RATES MAY APPLY. DELIVERY COMMITMENTS MAY VARY. ADDITIONAL FEES MAY APPLY.



DHL Analytical, Inc.

Sample Receipt Checklist

Client Name Terracon
Work Order Number 1406068

Date Received: 6/6/2014
Received by JB

Checklist completed by:  6/6/2014
Signature Date

Reviewed by  6/6/2014
Initials Date

Carrier name LoneStar

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	0.3 °C
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/> LOT # 8086
Water - pH>9 (S) or pH>12 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? <u>✓</u>	Checked by <u>S</u>	
	Adjusted? _____	Checked by _____	

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Carplex Auto Group		Date: 6/16/14					
Reviewer Name: Carlos Castro		Laboratory Work Order: 1406068					
Prep Batch Number(s): See Prep Dates Report		Run Batch: See Analytical Dates Report					
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-Custody (C-O-C) 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? 2) Were all departures from standard conditions described in an exception report?	X				R1-01
R2	OI	Sample and Quality Control (QC) Identification 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X			
R3	OI	Test Reports 1) Were all samples prepared and analyzed within holding times? 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? 3) Were calculations checked by a peer or supervisor? 4) Were all analyte identifications checked by a peer or supervisor? 5) Were sample detection limits reported for all analytes not detected? 6) Were all results for soil and sediment samples reported on a dry weight basis? 7) Were % moisture (or solids) reported for all soil and sediment samples? 8) Were bulk soils/solids samples for volatile analysis extracted with methanol per EPA Method 5035? 9) If required for the project, TICs reported?	X				
R4	O	Surrogate Recovery Data 1) Were surrogates added prior to extraction? 2) Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			
R5	OI	Test Reports/Summary Forms for Blank Samples 1) Were appropriate type(s) of blanks analyzed? 2) Were blanks analyzed at the appropriate frequency? 3) Where method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? 4) Were blank concentrations < MQL?	X				
R6	OI	Laboratory Control Samples (LCS): 1) Were all COCs included in the LCS? 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? 3) Were LCSs analyzed at the required frequency? 4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs? 6) Was the LCSD RPD within QC limits (if applicable)?		X			
R7	OI	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data 1) Were the project/method specified analytes included in the MS and MSD? 2) Were MS/MSD analyzed at the appropriate frequency? 3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? 4) Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical Duplicate Data 1) Were appropriate analytical duplicates analyzed for each matrix? 2) Were analytical duplicates analyzed at the appropriate frequency? 3) Were RPDs or relative standard deviations within the laboratory QC limits?		X			
R9	OI	Method Quantitation Limits (MQLs): 1) Are the MQLs for each method analyte included in the laboratory data package? 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? 3) Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other Problems/Anomalies 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? 2) Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results? 3) Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Carplex Auto Group		Date: 6/16/14				
Reviewer Name: Carlos Castro		Laboratory Work Order: 1406068				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴
S1	OI	Initial Calibration (ICAL)				
		1) Were response factors and/or relative response factors for each analyte within QC limits?	X			
		2) Were percent RSDs or correlation coefficient criteria met?	X			
		3) Was the number of standards recommended in the method used for all analytes?	X			
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X			
		5) Are ICAL data available for all instruments used?	X			
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X			
S2	OI	Initial and Continuing calibration Verification (ICCV and CCV) and Continuing Calibration blank (CCB):				
		1) Was the CCV analyzed at the method-required frequency?	X			
		2) Were percent differences for each analyte within the method-required QC limits?		X		S2-02
		3) Was the ICAL curve verified for each analyte?	X			
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X			
S3	O	Mass Spectral Tuning:				
		1) Was the appropriate compound for the method used for tuning?	X			
		2) Were ion abundance data within the method-required QC limits?	X			
S4	O	Internal Standards (IS):				
		1) Were IS area counts and retention times within the method-required QC limits?	X			
S5	OI	Raw Data (NELAC Section 5.5.10)				
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X			
		2) Were data associated with manual integrations flagged on the raw data?	X			
S6	O	Dual Column Confirmation				
		1) Did dual column confirmation results meet the method-required QC?		X		
S7	O	Tentatively Identified Compounds (TICs):				
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?		X		
S8	I	Interference Check Sample (ICS) Results:				
		1) Were percent recoveries within method QC limits?		X		
S9	I	Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions				
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X	
S10	OI	Method Detection Limit (MDL) Studies				
		1) Was a MDL study performed for each reported analyte?	X			
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X			
S11	OI	Proficiency Test Reports:				
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X			
S12	OI	Standards Documentation				
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X			
S13	OI	Compound/Analyte Identification Procedures				
		1) Are the procedures for compound/analyte identification documented?	X			
S14	OI	Demonstration of Analyst Competency (DOC)				
		1) Was DOC conducted consistent with NELAC Chapter 5 – Appendix C?	X			
		2) Is documentation of the analyst's competency up-to-date and on file?	X			
S15	OI	Verification/Validation Documentation for Methods (NELAC Chapter 5)				
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X			
S16	OI	Laboratory Standard Operating Procedures (SOPs):				
		1) Are laboratory SOPs current and on file for each method performed?	X			

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Signature Page – RG-366/TRRP-13

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC Chapter 5,
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) The amount of analyte measured in the duplicate,
 - b) The calculated RPD, and
 - c) The laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every “No” or “Not Reviewed (NR)” item in Laboratory Review checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information or data affecting the quality of the data has been knowingly withheld.

This laboratory was last inspected by TCEQ on May 6-10, 2013. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

John DuPont – General Manager



6/16/14

Scott Schroeder – Technical Director


Signature

6/16/14

CLIENT: Terracon
Project: Carplex Auto Group
Lab Order: 1406068

CASE NARRATIVE

The samples were analyzed using the methods outlined in the following references:

Method Tx1005 - Total Petroleum Hydrocarbons

Method SW8260C - Volatile Organics

Exception Report R1-01

The samples were received and log-in performed on 6/6/14. A total of 8 samples were received. No further analyses were required as per the client. The samples arrived in good condition and were properly packaged.

Exception Report S2-02

For Volatiles analysis, the recoveries of two compounds for the Initial Calibration Verification (ICV-140609) were slightly above control limits specified in SW8260C (80-120% recovery). These are flagged accordingly in the QC summary report. The number of target compounds outside of the method control limits for the ICV are less than 20% of the total number of compounds being reported; this is allowed in SW8260C specifications. These compounds were within method control limits in the associated LCS. No further corrective actions were taken.

CLIENT: Terracon
Project: Carplex Auto Group
Lab Order: 1406068

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1406068-01	MW1		06/05/14 02:35 PM	6/6/2014
1406068-02	MW2		06/05/14 03:10 PM	6/6/2014
1406068-03	MW3		06/05/14 03:55 PM	6/6/2014
1406068-04	MW4		06/05/14 02:00 PM	6/6/2014
1406068-05	DUP4		06/05/14 02:00 PM	6/6/2014
1406068-06	CBW1		06/05/14 04:00 PM	6/6/2014
1406068-07	RBW1		06/05/14 04:05 PM	6/6/2014
1406068-08	Trip Blank		06/05/14	6/6/2014

Lab Order: 1406068
Client: Terracon
Project: Carplex Auto Group

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1406068-01A	MW1	06/05/14 02:35 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	06/09/14 11:19 AM	64042
1406068-01B	MW1	06/05/14 02:35 PM	Aqueous	TX1005	TX1005 Water Prep	06/06/14 01:39 PM	64021
1406068-02A	MW2	06/05/14 03:10 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	06/09/14 11:19 AM	64042
1406068-02B	MW2	06/05/14 03:10 PM	Aqueous	TX1005	TX1005 Water Prep	06/06/14 01:39 PM	64021
1406068-03A	MW3	06/05/14 03:55 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	06/09/14 11:19 AM	64042
1406068-03B	MW3	06/05/14 03:55 PM	Aqueous	TX1005	TX1005 Water Prep	06/11/14 03:35 PM	64101
1406068-04A	MW4	06/05/14 02:00 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	06/09/14 11:19 AM	64042
1406068-04B	MW4	06/05/14 02:00 PM	Aqueous	TX1005	TX1005 Water Prep	06/11/14 03:35 PM	64101
1406068-05A	DUP4	06/05/14 02:00 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	06/09/14 11:19 AM	64042
1406068-05B	DUP4	06/05/14 02:00 PM	Aqueous	TX1005	TX1005 Water Prep	06/11/14 03:35 PM	64101
1406068-06A	CBW1	06/05/14 04:00 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	06/09/14 11:19 AM	64042
1406068-06B	CBW1	06/05/14 04:00 PM	Aqueous	TX1005	TX1005 Water Prep	06/11/14 03:35 PM	64101
1406068-07A	RBW1	06/05/14 04:05 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	06/09/14 11:19 AM	64042
1406068-07B	RBW1	06/05/14 04:05 PM	Aqueous	TX1005	TX1005 Water Prep	06/11/14 03:35 PM	64101
1406068-08A	Trip Blank	06/05/14	Trip Blank	SW5030C	Purge and Trap Water GC/MS	06/09/14 11:19 AM	64042

Lab Order: 1406068
Client: Terracon
Project: Carplex Auto Group

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1406068-01A	MW1	Aqueous	SW8260C	Volatiles by GC/MS	64042	1	06/09/14 04:02 PM	GCMS5_140609A
1406068-01B	MW1	Aqueous	TX1005	Tx1005 TPH Water	64021	1	06/09/14 01:55 PM	GC12_140609C
1406068-02A	MW2	Aqueous	SW8260C	Volatiles by GC/MS	64042	1	06/09/14 04:27 PM	GCMS5_140609A
1406068-02B	MW2	Aqueous	TX1005	Tx1005 TPH Water	64021	1	06/09/14 02:04 PM	GC12_140609C
1406068-03A	MW3	Aqueous	SW8260C	Volatiles by GC/MS	64042	1	06/09/14 04:52 PM	GCMS5_140609A
1406068-03B	MW3	Aqueous	TX1005	Tx1005 TPH Water	64101	1	06/12/14 11:54 AM	GC12_140612A
1406068-04A	MW4	Aqueous	SW8260C	Volatiles by GC/MS	64042	1	06/09/14 05:17 PM	GCMS5_140609A
1406068-04B	MW4	Aqueous	TX1005	Tx1005 TPH Water	64101	1	06/12/14 12:02 PM	GC12_140612A
1406068-05A	DUP4	Aqueous	SW8260C	Volatiles by GC/MS	64042	1	06/09/14 05:42 PM	GCMS5_140609A
1406068-05B	DUP4	Aqueous	TX1005	Tx1005 TPH Water	64101	1	06/12/14 12:27 PM	GC12_140612A
1406068-06A	CBW1	Aqueous	SW8260C	Volatiles by GC/MS	64042	1	06/09/14 06:07 PM	GCMS5_140609A
1406068-06B	CBW1	Aqueous	TX1005	Tx1005 TPH Water	64101	1	06/12/14 12:36 PM	GC12_140612A
1406068-07A	RBW1	Aqueous	SW8260C	Volatiles by GC/MS	64042	1	06/09/14 06:32 PM	GCMS5_140609A
1406068-07B	RBW1	Aqueous	TX1005	Tx1005 TPH Water	64101	1	06/12/14 12:44 PM	GC12_140612A
1406068-08A	Trip Blank	Trip Blank	SW8260C	Volatiles by GC/MS	64042	1	06/09/14 06:57 PM	GCMS5_140609A

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon **Client Sample ID:** MW1
Project: Carplex Auto Group **Lab ID:** 1406068-01
Project No: 95137219C.A **Collection Date:** 06/05/14 02:35 PM
Lab Order: 1406068 **Matrix:** AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER							
T/R Hydrocarbons: C6-C12	<0.689	0.689	1.97		mg/L	1	06/09/14 01:55 PM
T/R Hydrocarbons: >C12-C28	<0.689	0.689	1.97		mg/L	1	06/09/14 01:55 PM
T/R Hydrocarbons: >C28-C35	<0.689	0.689	1.97		mg/L	1	06/09/14 01:55 PM
T/R Hydrocarbons: C6-C35	<0.689	0.689	1.97		mg/L	1	06/09/14 01:55 PM
Surrogate: Isopropylbenzene	85.0	0	70-130	%REC		1	06/09/14 01:55 PM
Surrogate: Octacosane	85.2	0	70-130	%REC		1	06/09/14 01:55 PM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:02 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:02 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:02 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	06/09/14 04:02 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:02 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:02 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:02 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:02 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:02 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
SW8260C							
Analyst: DEW							

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF- Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1406068

Client Sample ID: MW1
Lab ID: 1406068-01
Collection Date: 06/05/14 02:35 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:02 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	06/09/14 04:02 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:02 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	06/09/14 04:02 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	06/09/14 04:02 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	06/09/14 04:02 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:02 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 04:02 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 04:02 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 04:02 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:02 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	06/09/14 04:02 PM
Surr: 1,2-Dichloroethane-d4	98.2	0	72-119	%REC		1	06/09/14 04:02 PM
Surr: 4-Bromofluorobenzene	101	0	76-119	%REC		1	06/09/14 04:02 PM
Surr: Dibromofluoromethane	96.7	0	85-115	%REC		1	06/09/14 04:02 PM
Surr: Toluene-d8	95.6	0	81-120	%REC		1	06/09/14 04:02 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon **Client Sample ID:** MW2
Project: Carplex Auto Group **Lab ID:** 1406068-02
Project No: 95137219C.A **Collection Date:** 06/05/14 03:10 PM
Lab Order: 1406068 **Matrix:** AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER							
T/R Hydrocarbons: C6-C12	<0.676	0.676	1.93		mg/L	1	06/09/14 02:04 PM
T/R Hydrocarbons: >C12-C28	<0.676	0.676	1.93		mg/L	1	06/09/14 02:04 PM
T/R Hydrocarbons: >C28-C35	<0.676	0.676	1.93		mg/L	1	06/09/14 02:04 PM
T/R Hydrocarbons: C6-C35	<0.676	0.676	1.93		mg/L	1	06/09/14 02:04 PM
Surrogate: Isopropylbenzene	81.7	0	70-130	%REC		1	06/09/14 02:04 PM
Surrogate: Octacosane	82.9	0	70-130	%REC		1	06/09/14 02:04 PM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:27 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:27 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:27 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	06/09/14 04:27 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:27 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:27 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:27 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:27 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:27 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
SW8260C							
Analyst: DEW							

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF- Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1406068

Client Sample ID: MW2
Lab ID: 1406068-02
Collection Date: 06/05/14 03:10 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:27 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	06/09/14 04:27 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:27 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	06/09/14 04:27 PM
Methyl tert-butyl ether	0.00502	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	06/09/14 04:27 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	06/09/14 04:27 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:27 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 04:27 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 04:27 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 04:27 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:27 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	06/09/14 04:27 PM
Surr: 1,2-Dichloroethane-d4	96.7	0	72-119	%REC		1	06/09/14 04:27 PM
Surr: 4-Bromofluorobenzene	101	0	76-119	%REC		1	06/09/14 04:27 PM
Surr: Dibromofluoromethane	95.8	0	85-115	%REC		1	06/09/14 04:27 PM
Surr: Toluene-d8	95.2	0	81-120	%REC		1	06/09/14 04:27 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1406068

Client Sample ID: MW3
Lab ID: 1406068-03
Collection Date: 06/05/14 03:55 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER							
T/R Hydrocarbons: C6-C12	<0.682	0.682	1.95		mg/L	1	06/12/14 11:54 AM
T/R Hydrocarbons: >C12-C28	<0.682	0.682	1.95		mg/L	1	06/12/14 11:54 AM
T/R Hydrocarbons: >C28-C35	<0.682	0.682	1.95		mg/L	1	06/12/14 11:54 AM
T/R Hydrocarbons: C6-C35	<0.682	0.682	1.95		mg/L	1	06/12/14 11:54 AM
Surrogate: Isopropylbenzene	82.0	0	70-130	%REC		1	06/12/14 11:54 AM
Surrogate: Octacosane	74.3	0	70-130	%REC		1	06/12/14 11:54 AM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:52 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:52 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:52 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	06/09/14 04:52 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 04:52 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:52 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:52 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:52 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:52 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM

Qualifiers: ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1406068

Client Sample ID: MW3
Lab ID: 1406068-03
Collection Date: 06/05/14 03:55 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:52 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	06/09/14 04:52 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 04:52 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	06/09/14 04:52 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	06/09/14 04:52 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	06/09/14 04:52 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 04:52 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 04:52 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 04:52 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 04:52 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 04:52 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	06/09/14 04:52 PM
Surr: 1,2-Dichloroethane-d4	97.1	0	72-119	%REC		1	06/09/14 04:52 PM
Surr: 4-Bromofluorobenzene	102	0	76-119	%REC		1	06/09/14 04:52 PM
Surr: Dibromofluoromethane	95.8	0	85-115	%REC		1	06/09/14 04:52 PM
Surr: Toluene-d8	96.0	0	81-120	%REC		1	06/09/14 04:52 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon **Client Sample ID:** MW4
Project: Carplex Auto Group **Lab ID:** 1406068-04
Project No: 95137219C.A **Collection Date:** 06/05/14 02:00 PM
Lab Order: 1406068 **Matrix:** AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER							
T/R Hydrocarbons: C6-C12	<0.666	0.666	1.90		mg/L	1	06/12/14 12:02 PM
T/R Hydrocarbons: >C12-C28	<0.666	0.666	1.90		mg/L	1	06/12/14 12:02 PM
T/R Hydrocarbons: >C28-C35	<0.666	0.666	1.90		mg/L	1	06/12/14 12:02 PM
T/R Hydrocarbons: C6-C35	<0.666	0.666	1.90		mg/L	1	06/12/14 12:02 PM
Surrogate: Isopropylbenzene	83.7	0	70-130	%REC		1	06/12/14 12:02 PM
Surrogate: Octacosane	76.4	0	70-130	%REC		1	06/12/14 12:02 PM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 05:17 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 05:17 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 05:17 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	06/09/14 05:17 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 05:17 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:17 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:17 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:17 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:17 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF- Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1406068

Client Sample ID: MW4
Lab ID: 1406068-04
Collection Date: 06/05/14 02:00 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:17 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	06/09/14 05:17 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:17 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	06/09/14 05:17 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	06/09/14 05:17 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	06/09/14 05:17 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:17 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 05:17 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 05:17 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 05:17 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:17 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	06/09/14 05:17 PM
Surr: 1,2-Dichloroethane-d4	96.7	0	72-119	%REC		1	06/09/14 05:17 PM
Surr: 4-Bromofluorobenzene	102	0	76-119	%REC		1	06/09/14 05:17 PM
Surr: Dibromofluoromethane	94.7	0	85-115	%REC		1	06/09/14 05:17 PM
Surr: Toluene-d8	95.9	0	81-120	%REC		1	06/09/14 05:17 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1406068

Client Sample ID: DUP4
Lab ID: 1406068-05
Collection Date: 06/05/14 02:00 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER							
T/R Hydrocarbons: C6-C12	<0.683	0.683	1.95		mg/L	1	06/12/14 12:27 PM
T/R Hydrocarbons: >C12-C28	<0.683	0.683	1.95		mg/L	1	06/12/14 12:27 PM
T/R Hydrocarbons: >C28-C35	<0.683	0.683	1.95		mg/L	1	06/12/14 12:27 PM
T/R Hydrocarbons: C6-C35	<0.683	0.683	1.95		mg/L	1	06/12/14 12:27 PM
Surrogate: Isopropylbenzene	84.6	0	70-130	%REC		1	06/12/14 12:27 PM
Surrogate: Octacosane	76.8	0	70-130	%REC		1	06/12/14 12:27 PM
VOLATILES BY GC/MS							
		TX1005					Analyst: AV
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 05:42 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 05:42 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 05:42 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	06/09/14 05:42 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 05:42 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:42 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:42 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:42 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:42 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM

Qualifiers: ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1406068

Client Sample ID: DUP4
Lab ID: 1406068-05
Collection Date: 06/05/14 02:00 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:42 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	06/09/14 05:42 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 05:42 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	06/09/14 05:42 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	06/09/14 05:42 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	06/09/14 05:42 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 05:42 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 05:42 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 05:42 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 05:42 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 05:42 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	06/09/14 05:42 PM
Surr: 1,2-Dichloroethane-d4	97.5	0	72-119	%REC		1	06/09/14 05:42 PM
Surr: 4-Bromofluorobenzene	104	0	76-119	%REC		1	06/09/14 05:42 PM
Surr: Dibromofluoromethane	96.0	0	85-115	%REC		1	06/09/14 05:42 PM
Surr: Toluene-d8	95.3	0	81-120	%REC		1	06/09/14 05:42 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT:	Terracon	Client Sample ID:	CBW1
Project:	Carplex Auto Group	Lab ID:	1406068-06
Project No:	95137219C.A	Collection Date:	06/05/14 04:00 PM
Lab Order:	1406068	Matrix:	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER							
T/R Hydrocarbons: C6-C12	<0.685	0.685	1.96		mg/L	1	06/12/14 12:36 PM
T/R Hydrocarbons: >C12-C28	<0.685	0.685	1.96		mg/L	1	06/12/14 12:36 PM
T/R Hydrocarbons: >C28-C35	<0.685	0.685	1.96		mg/L	1	06/12/14 12:36 PM
T/R Hydrocarbons: C6-C35	<0.685	0.685	1.96		mg/L	1	06/12/14 12:36 PM
Surrogate: Isopropylbenzene	84.2	0	70-130	%REC		1	06/12/14 12:36 PM
Surrogate: Octacosane	77.1	0	70-130	%REC		1	06/12/14 12:36 PM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:07 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:07 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:07 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	06/09/14 06:07 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:07 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:07 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:07 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:07 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:07 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT:	Terracon	Client Sample ID: CBW1					
Project:	Carplex Auto Group	Lab ID: 1406068-06					
Project No:	95137219C.A	Collection Date: 06/05/14 04:00 PM					
Lab Order:	1406068	Matrix: AQUEOUS					
Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		SW8260C					
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:07 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	06/09/14 06:07 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:07 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	06/09/14 06:07 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	06/09/14 06:07 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	06/09/14 06:07 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:07 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 06:07 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 06:07 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 06:07 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:07 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	06/09/14 06:07 PM
Surr: 1,2-Dichloroethane-d4	97.8	0	72-119	%REC		1	06/09/14 06:07 PM
Surr: 4-Bromofluorobenzene	103	0	76-119	%REC		1	06/09/14 06:07 PM
Surr: Dibromofluoromethane	95.9	0	85-115	%REC		1	06/09/14 06:07 PM
Surr: Toluene-d8	95.1	0	81-120	%REC		1	06/09/14 06:07 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon **Client Sample ID:** RBW1
Project: Carplex Auto Group **Lab ID:** 1406068-07
Project No: 95137219C.A **Collection Date:** 06/05/14 04:05 PM
Lab Order: 1406068 **Matrix:** AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER							
T/R Hydrocarbons: C6-C12	<0.672	0.672	1.92		mg/L	1	06/12/14 12:44 PM
T/R Hydrocarbons: >C12-C28	<0.672	0.672	1.92		mg/L	1	06/12/14 12:44 PM
T/R Hydrocarbons: >C28-C35	<0.672	0.672	1.92		mg/L	1	06/12/14 12:44 PM
T/R Hydrocarbons: C6-C35	<0.672	0.672	1.92		mg/L	1	06/12/14 12:44 PM
Surrogate: Isopropylbenzene	83.5	0	70-130	%REC		1	06/12/14 12:44 PM
Surrogate: Octacosane	75.8	0	70-130	%REC		1	06/12/14 12:44 PM
VOLATILES BY GC/MS							
TX1005							
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:32 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:32 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:32 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	06/09/14 06:32 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:32 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:32 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:32 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:32 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:32 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
SW8260C							
Analyst: DEW							

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF- Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1406068

Client Sample ID: RBW1
Lab ID: 1406068-07
Collection Date: 06/05/14 04:05 PM
Matrix: AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:32 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	06/09/14 06:32 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:32 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	06/09/14 06:32 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	06/09/14 06:32 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	06/09/14 06:32 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:32 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 06:32 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 06:32 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 06:32 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:32 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	06/09/14 06:32 PM
Surr: 1,2-Dichloroethane-d4	97.1	0	72-119	%REC		1	06/09/14 06:32 PM
Surr: 4-Bromofluorobenzene	102	0	76-119	%REC		1	06/09/14 06:32 PM
Surr: Dibromofluoromethane	94.3	0	85-115	%REC		1	06/09/14 06:32 PM
Surr: Toluene-d8	94.8	0	81-120	%REC		1	06/09/14 06:32 PM

Qualifiers: ND - Not Detected at the SDL

J - Analyte detected between SDL and RL

B - Analyte detected in the associated Method Blank

DF- Dilution Factor

N - Parameter not NELAC certified

See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits

C - Sample Result or QC discussed in Case Narrative

RL - Reporting Limit (MQL adjusted for moisture and sample size)

SDL - Sample Detection Limit

E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1406068

Client Sample ID: Trip Blank
Lab ID: 1406068-08
Collection Date: 06/05/14
Matrix: TRIP BLANK

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
1,2,3-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:57 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
1,2,4-Trichlorobenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:57 PM
1,2,4-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:57 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	06/09/14 06:57 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
1,3,5-Trimethylbenzene	<0.00200	0.00200	0.00500		mg/L	1	06/09/14 06:57 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:57 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:57 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:57 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:57 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:57 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM

Qualifiers: ND - Not Detected at the SDL

S - Spike Recovery outside control limits

J - Analyte detected between SDL and RL

C - Sample Result or QC discussed in Case Narrative

B - Analyte detected in the associated Method Blank

RL - Reporting Limit (MQL adjusted for moisture and sample size)

DF- Dilution Factor

SDL - Sample Detection Limit

N - Parameter not NELAC certified

E - TPH pattern not Gas or Diesel Range Pattern

See Final Page of Report for MQLs and MDLs

DHL Analytical, Inc.

Date: 16-Jun-14

CLIENT: Terracon
Project: Carplex Auto Group
Project No: 95137219C.A
Lab Order: 1406068

Client Sample ID: Trip Blank
Lab ID: 1406068-08
Collection Date: 06/05/14
Matrix: TRIP BLANK

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS							
		SW8260C					Analyst: DEW
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
Hexachlorobutadiene	<0.00100	0.00100	0.00300		mg/L	1	06/09/14 06:57 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	06/09/14 06:57 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	06/09/14 06:57 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	06/09/14 06:57 PM
Naphthalene	<0.00500	0.00500	0.00500		mg/L	1	06/09/14 06:57 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	06/09/14 06:57 PM
Tetrachloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 06:57 PM
Toluene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 06:57 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Trichloroethene	<0.000700	0.000700	0.00200		mg/L	1	06/09/14 06:57 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	06/09/14 06:57 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	06/09/14 06:57 PM
Surr: 1,2-Dichloroethane-d4	95.5	0	72-119	%REC		1	06/09/14 06:57 PM
Surr: 4-Bromofluorobenzene	103	0	76-119	%REC		1	06/09/14 06:57 PM
Surr: Dibromofluoromethane	94.2	0	85-115	%REC		1	06/09/14 06:57 PM
Surr: Toluene-d8	95.9	0	81-120	%REC		1	06/09/14 06:57 PM

Qualifiers: ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAC certified
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT**RunID: GC12_140609C**

The QC data in batch 64021 applies to the following samples: 1406068-01B, 1406068-02B

Sample ID	LCS-64021	Batch ID:	64021	TestNo:	TX1005		Units:	mg/L			
SampType:	LCS	Run ID:	GC12_140609C	Analysis Date: 6/9/2014 11:33:10 AM			Prep Date:	6/6/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		25.4	2.00	25.00	0	101	75	125			
Surr: Isopropylbenzene		2.61		2.500		104	70	130			
Surr: Octacosane		2.15		2.500		86.2	70	130			
Sample ID	LCSD-64021	Batch ID:	64021	TestNo:	TX1005		Units:	mg/L			
SampType:	LCSD	Run ID:	GC12_140609C	Analysis Date: 6/9/2014 11:41:37 AM			Prep Date:	6/6/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		21.8	2.00	25.00	0	87.3	75	125	15.0	20	
Surr: Isopropylbenzene		2.20		2.500		88.1	70	130	0	0	
Surr: Octacosane		2.13		2.500		85.3	70	130	0	0	
Sample ID	MB-64021	Batch ID:	64021	TestNo:	TX1005		Units:	mg/L			
SampType:	MBLK	Run ID:	GC12_140609C	Analysis Date: 6/9/2014 11:58:32 AM			Prep Date:	6/6/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12		<0.700	2.00								
T/R Hydrocarbons: >C12-C28		<0.700	2.00								
T/R Hydrocarbons: >C28-C35		<0.700	2.00								
T/R Hydrocarbons: C6-C35		<0.700	2.00								
Surr: Isopropylbenzene		2.45		2.500		98.2	70	130			
Surr: Octacosane		2.25		2.500		89.8	70	130			
Sample ID	1406031-04BMS	Batch ID:	64021	TestNo:	TX1005		Units:	mg/L			
SampType:	MS	Run ID:	GC12_140609C	Analysis Date: 6/9/2014 12:48:24 PM			Prep Date:	6/6/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		23.0	1.97	24.61	0	93.6	75	125			
Surr: Isopropylbenzene		2.31		2.461		93.9	70	130			
Surr: Octacosane		1.99		2.461		80.9	70	130			
Sample ID	1406031-04BMSD	Batch ID:	64021	TestNo:	TX1005		Units:	mg/L			
SampType:	MSD	Run ID:	GC12_140609C	Analysis Date: 6/9/2014 12:56:51 PM			Prep Date:	6/6/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		21.6	1.97	24.64	0	87.5	75	125	6.57	20	
Surr: Isopropylbenzene		2.18		2.464		88.3	70	130	0	0	
Surr: Octacosane		2.06		2.464		83.6	70	130	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140609C

Sample ID	ICV-140609	Batch ID:	R73628	TestNo:	TX1005		Units:	mg/L			
SampType:	ICV	Run ID:	GC12_140609C	Analysis Date: 6/9/2014 9:12:12 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		981	2.00	1000	0	98.1	75	125			
Surr: Isopropylbenzene		45.8		50.00		91.5	70	130			
Surr: Octacosane		44.6		50.00		89.1	70	130			
Sample ID	CCV1-140609	Batch ID:	R73628	TestNo:	TX1005		Units:	mg/L			
SampType:	CCV	Run ID:	GC12_140609C	Analysis Date: 6/9/2014 11:20:41 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		492	2.00	500.0	0	98.3	75	125			
Surr: Isopropylbenzene		24.2		25.00		97.0	70	130			
Surr: Octacosane		24.0		25.00		95.8	70	130			
Sample ID	CCV2-140609	Batch ID:	R73628	TestNo:	TX1005		Units:	mg/L			
SampType:	CCV	Run ID:	GC12_140609C	Analysis Date: 6/9/2014 2:16:30 PM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		512	2.00	500.0	0	102	75	125			
Surr: Isopropylbenzene		25.1		25.00		101	70	130			
Surr: Octacosane		24.1		25.00		96.5	70	130			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140612A

The QC data in batch 64101 applies to the following samples: 1406068-03B, 1406068-04B, 1406068-05B, 1406068-06B, 1406068-07B

Sample ID	LCS-64101	Batch ID:	64101	TestNo:	TX1005		Units:	mg/L			
SampType:	LCS	Run ID:	GC12_140612A	Analysis Date:	6/12/2014 9:22:14 AM		Prep Date:	6/11/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C6-C35	24.0	2.00	25.00	0	96.2	75	125				
Surr: Isopropylbenzene	2.17		2.500		86.6	70	130				
Surr: Octacosane	1.96		2.500		78.4	70	130				

Sample ID	LCSD-64101	Batch ID:	64101	TestNo:	TX1005		Units:	mg/L			
SampType:	LCSD	Run ID:	GC12_140612A	Analysis Date:	6/12/2014 9:30:42 AM		Prep Date:	6/11/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C6-C35	23.5	2.00	25.00	0	94.1	75	125	2.15	20		
Surr: Isopropylbenzene	2.19		2.500		87.7	70	130	0	0		
Surr: Octacosane	1.92		2.500		76.9	70	130	0	0		

Sample ID	MB-64101	Batch ID:	64101	TestNo:	TX1005		Units:	mg/L			
SampType:	MBLK	Run ID:	GC12_140612A	Analysis Date:	6/12/2014 9:47:36 AM		Prep Date:	6/11/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C6-C12	<0.700	2.00									
T/R Hydrocarbons: >C12-C28	<0.700	2.00									
T/R Hydrocarbons: >C28-C35	<0.700	2.00									
T/R Hydrocarbons: C6-C35	<0.700	2.00									
Surr: Isopropylbenzene	2.15		2.500		86.0	70	130				
Surr: Octacosane	1.98		2.500		79.2	70	130				

Sample ID	1406063-06BMS	Batch ID:	64101	TestNo:	TX1005		Units:	mg/L			
SampType:	MS	Run ID:	GC12_140612A	Analysis Date:	6/12/2014 11:11:52 AM		Prep Date:	6/11/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C6-C35	22.7	1.97	24.62	0	92.3	75	125				
Surr: Isopropylbenzene	2.07		2.462		84.1	70	130				
Surr: Octacosane	1.84		2.462		74.7	70	130				

Sample ID	1406063-06BMSD	Batch ID:	64101	TestNo:	TX1005		Units:	mg/L			
SampType:	MSD	Run ID:	GC12_140612A	Analysis Date:	6/12/2014 11:20:18 AM		Prep Date:	6/11/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C6-C35	22.4	1.94	24.27	0	92.1	75	125	1.62	20		
Surr: Isopropylbenzene	2.04		2.427		83.9	70	130	0	0		
Surr: Octacosane	1.83		2.427		75.5	70	130	0	0		

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140612A

Sample ID	1406068-04BMS	Batch ID:	64101	TestNo:	TX1005		Units:	mg/L			
SampType:	MS	Run ID:	GC12_140612A	Analysis Date: 6/12/2014 12:10:56 PM			Prep Date:	6/11/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		22.7	1.95	24.32	0	93.4	75	125			
Surr: Isopropylbenzene		2.05		2.432		84.2	70	130			
Surr: Octacosane		1.79		2.432		73.5	70	130			

Sample ID	1406068-04BMSD	Batch ID:	64101	TestNo:	TX1005		Units:	mg/L			
SampType:	MSD	Run ID:	GC12_140612A	Analysis Date: 6/12/2014 12:19:24 PM			Prep Date:	6/11/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		23.4	1.94	24.30	0	96.3	75	125	2.97	20	
Surr: Isopropylbenzene		2.12		2.430		87.3	70	130	0	0	
Surr: Octacosane		1.86		2.430		76.5	70	130	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140612A

Sample ID	ICV-140612	Batch ID:	R73712	TestNo:	TX1005		Units:	mg/L			
SampType:	ICV	Run ID:	GC12_140612A	Analysis Date: 6/12/2014 8:58:51 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		1110	2.00	1000	0	111	75	125			
Surr: Isopropylbenzene		53.3		50.00		107	70	130			
Surr: Octacosane		46.5		50.00		93.1	70	130			

Sample ID	CCV1-140612	Batch ID:	R73712	TestNo:	TX1005		Units:	mg/L			
SampType:	CCV	Run ID:	GC12_140612A	Analysis Date: 6/12/2014 1:19:53 PM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35		565	2.00	500.0	0	113	75	125			
Surr: Isopropylbenzene		27.3		25.00		109	70	130			
Surr: Octacosane		24.2		25.00		96.9	70	130			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140609A

The QC data in batch 64042 applies to the following samples: 1406068-01A, 1406068-02A, 1406068-03A, 1406068-04A, 1406068-05A, 1406068-06A, 1406068-07A, 1406068-08A

Sample ID	LCS-64042	Batch ID:	64042	TestNo:	SW8260C		Units:	mg/L			
SampType:	LCS	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 11:50:00 AM			Prep Date:	6/9/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		0.0208	0.00100	0.0232	0	89.5	81	129			
1,1,1-Trichloroethane		0.0205	0.00100	0.0232	0	88.4	67	132			
1,1,2,2-Tetrachloroethane		0.0219	0.00100	0.0232	0	94.3	63	128			
1,1,2-Trichloroethane		0.0238	0.00100	0.0232	0	103	75	125			
1,1-Dichloroethane		0.0207	0.00100	0.0232	0	89.3	69	133			
1,1-Dichloroethene		0.0189	0.00100	0.0232	0	81.5	68	130			
1,1-Dichloropropene		0.0214	0.00100	0.0232	0	92.1	73	132			
1,2,3-Trichlorobenzene		0.0205	0.00500	0.0232	0	88.5	67	137			
1,2,3-Trichloropropane		0.0209	0.00100	0.0232	0	90.0	73	124			
1,2,4-Trichlorobenzene		0.0205	0.00500	0.0232	0	88.4	66	134			
1,2,4-Trimethylbenzene		0.0213	0.00500	0.0232	0	91.7	74	132			
1,2-Dibromo-3-chloropropane		0.0203	0.0100	0.0232	0	87.7	50	132			
1,2-Dibromoethane		0.0209	0.00100	0.0232	0	90.3	80	121			
1,2-Dichlorobenzene		0.0214	0.00100	0.0232	0	92.3	75	125			
1,2-Dichloroethane		0.0205	0.00100	0.0232	0	88.4	68	127			
1,2-Dichloropropene		0.0246	0.00100	0.0232	0	106	75	125			
1,3,5-Trimethylbenzene		0.0211	0.00500	0.0232	0	91.1	74	131			
1,3-Dichlorobenzene		0.0212	0.00100	0.0232	0	91.3	75	124			
1,3-Dichloropropane		0.0213	0.00100	0.0232	0	91.9	73	126			
1,4-Dichlorobenzene		0.0207	0.00100	0.0232	0	89.2	74	123			
2,2-Dichloropropane		0.0212	0.00100	0.0232	0	91.5	69	137			
2-Butanone		0.102	0.0150	0.116	0	88.3	49	136			
2-Chlorotoluene		0.0214	0.00100	0.0232	0	92.2	73	126			
2-Hexanone		0.104	0.0150	0.116	0	89.3	50	150			
4-Chlorotoluene		0.0216	0.00100	0.0232	0	93.0	74	128			
4-Methyl-2-pentanone		0.107	0.0150	0.116	0	92.6	58	134			
Acetone		0.0932	0.0150	0.116	0	80.4	40	135			
Benzene		0.0214	0.00100	0.0232	0	92.3	81	120			
Bromobenzene		0.0209	0.00100	0.0232	0	90.2	76	124			
Bromochloromethane		0.0193	0.00100	0.0232	0	83.2	65	129			
Bromodichloromethane		0.0230	0.00100	0.0232	0	99.4	76	121			
Bromoform		0.0190	0.00100	0.0232	0	82.1	69	128			
Bromomethane		0.0189	0.00100	0.0232	0	81.4	53	141			
Carbon disulfide		0.0185	0.0150	0.0232	0	79.9	50	150			
Carbon tetrachloride		0.0207	0.00100	0.0232	0	89.1	66	138			
Chlorobenzene		0.0210	0.00100	0.0232	0	90.5	81	122			
Chloroethane		0.0193	0.00100	0.0232	0	83.2	58	133			
Chloroform		0.0206	0.00100	0.0232	0	88.8	69	128			
Chloromethane		0.0210	0.00100	0.0232	0	90.3	56	131			

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140609A

Sample ID	LCS-64042	Batch ID:	64042	TestNo:	SW8260C	Units:	mg/L				
SampType:	LCS	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 11:50:00 AM		Prep Date:	6/9/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene		0.0206	0.00100	0.0232	0	88.8	72	126			
cis-1,3-Dichloropropene		0.0251	0.00100	0.0232	0	108	69	131			
Dibromochloromethane		0.0206	0.00100	0.0232	0	88.9	66	133			
Dibromomethane		0.0230	0.00100	0.0232	0	99.4	76	125			
Dichlorodifluoromethane		0.0202	0.00100	0.0232	0	87.0	53	153			
Ethylbenzene		0.0213	0.00100	0.0232	0	91.8	80	120			
Hexachlorobutadiene		0.0204	0.00300	0.0232	0	87.7	67	131			
Iodomethane		0.0203	0.0150	0.0232	0	87.4	50	150			
Isopropylbenzene		0.0217	0.00100	0.0232	0	93.4	75	127			
m,p-Xylene		0.0428	0.00200	0.0464	0	92.2	80	120			
Methyl tert-butyl ether		0.0207	0.00100	0.0232	0	89.1	68	123			
Methylene chloride		0.0190	0.00250	0.0232	0	82.0	63	137			
Naphthalene		0.0200	0.00500	0.0232	0	86.4	54	138			
n-Butylbenzene		0.0220	0.00100	0.0232	0	94.6	69	137			
n-Propylbenzene		0.0219	0.00100	0.0232	0	94.4	72	129			
o-Xylene		0.0215	0.00100	0.0232	0	92.5	80	120			
p-Isopropyltoluene		0.0224	0.00100	0.0232	0	96.6	73	130			
sec-Butylbenzene		0.0223	0.00100	0.0232	0	96.3	72	127			
Styrene		0.0208	0.00100	0.0232	0	89.6	65	134			
tert-Butylbenzene		0.0220	0.00100	0.0232	0	95.0	70	129			
Tetrachloroethene		0.0198	0.00200	0.0232	0	85.3	66	128			
Toluene		0.0237	0.00200	0.0232	0	102	80	120			
trans-1,2-Dichloroethene		0.0202	0.00100	0.0232	0	87.3	63	137			
trans-1,3-Dichloropropene		0.0220	0.00100	0.0232	0	94.7	59	135			
Trichloroethene		0.0222	0.00200	0.0232	0	95.5	70	127			
Trichlorofluoromethane		0.0188	0.00100	0.0232	0	81.1	57	129			
Vinyl chloride		0.0197	0.00100	0.0232	0	85.0	50	134			
Surr: 1,2-Dichloroethane-d4		191		200.0		95.6	72	119			
Surr: 4-Bromofluorobenzene		200		200.0		100	76	119			
Surr: Dibromofluoromethane		187		200.0		93.3	85	115			
Surr: Toluene-d8		189		200.0		94.6	81	120			

Sample ID	MB-64042	Batch ID:	64042	TestNo:	SW8260C	Units:	mg/L				
SampType:	MBLK	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 12:15:00 PM		Prep Date:	6/9/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		<0.000200	0.00100								
1,1,1-Trichloroethane		<0.000200	0.00100								
1,1,2,2-Tetrachloroethane		<0.000200	0.00100								
1,1,2-Trichloroethane		<0.000200	0.00100								
1,1-Dichloroethane		<0.000200	0.00100								

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140609A

Sample ID	MB-64042	Batch ID:	64042	TestNo:	SW8260C	Units:	mg/L				
SampType:	MBLK	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 12:15:00 PM		Prep Date:	6/9/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene		<0.000200	0.00100								
1,1-Dichloropropene		<0.000200	0.00100								
1,2,3-Trichlorobenzene		<0.00200	0.00500								
1,2,3-Trichloropropane		<0.000300	0.00100								
1,2,4-Trichlorobenzene		<0.00200	0.00500								
1,2,4-Trimethylbenzene		<0.00200	0.00500								
1,2-Dibromo-3-chloropropane		<0.00300	0.0100								
1,2-Dibromoethane		<0.000200	0.00100								
1,2-Dichlorobenzene		<0.000300	0.00100								
1,2-Dichloroethane		<0.000300	0.00100								
1,2-Dichloropropane		<0.000200	0.00100								
1,3,5-Trimethylbenzene		<0.00200	0.00500								
1,3-Dichlorobenzene		<0.000300	0.00100								
1,3-Dichloropropane		<0.000200	0.00100								
1,4-Dichlorobenzene		<0.000300	0.00100								
2,2-Dichloropropane		<0.000200	0.00100								
2-Butanone		<0.00500	0.0150								
2-Chlorotoluene		<0.000300	0.00100								
2-Hexanone		<0.00500	0.0150								
4-Chlorotoluene		<0.000300	0.00100								
4-Methyl-2-pentanone		<0.00500	0.0150								
Acetone		<0.00500	0.0150								
Benzene		<0.000200	0.00100								
Bromobenzene		<0.000200	0.00100								
Bromochloromethane		<0.000200	0.00100								
Bromodichloromethane		<0.000200	0.00100								
Bromoform		<0.000200	0.00100								
Bromomethane		<0.000300	0.00100								
Carbon disulfide		<0.00500	0.0150								
Carbon tetrachloride		<0.000200	0.00100								
Chlorobenzene		<0.000200	0.00100								
Chloroethane		<0.000300	0.00100								
Chloroform		<0.000300	0.00100								
Chloromethane		<0.000300	0.00100								
cis-1,2-Dichloroethene		<0.000200	0.00100								
cis-1,3-Dichloropropene		<0.000200	0.00100								
Dibromochloromethane		<0.000200	0.00100								
Dibromomethane		<0.000200	0.00100								
Dichlorodifluoromethane		<0.000200	0.00100								
Ethylbenzene		<0.000300	0.00100								
Hexachlorobutadiene		<0.00100	0.00300								

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140609A

Sample ID	MB-64042	Batch ID:	64042	TestNo:	SW8260C	Units:	mg/L				
SampType:	MBLK	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 12:15:00 PM		Prep Date:	6/9/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iodomethane		<0.00500	0.0150								
Isopropylbenzene		<0.000200	0.00100								
m,p-Xylene		<0.000600	0.00200								
Methyl tert-butyl ether		<0.000300	0.00100								
Methylene chloride		<0.00250	0.00250								
Naphthalene		<0.00500	0.00500								
n-Butylbenzene		<0.000300	0.00100								
n-Propylbenzene		<0.000300	0.00100								
o-Xylene		<0.000300	0.00100								
p-Isopropyltoluene		<0.000300	0.00100								
sec-Butylbenzene		<0.000300	0.00100								
Styrene		<0.000200	0.00100								
tert-Butylbenzene		<0.000300	0.00100								
Tetrachloroethene		<0.000700	0.00200								
Toluene		<0.000700	0.00200								
trans-1,2-Dichloroethene		<0.000200	0.00100								
trans-1,3-Dichloropropene		<0.000200	0.00100								
Trichloroethene		<0.000700	0.00200								
Trichlorofluoromethane		<0.000200	0.00100								
Vinyl chloride		<0.000100	0.00100								
Surr: 1,2-Dichloroethane-d4		189		200.0		94.6	72	119			
Surr: 4-Bromofluorobenzene		213		200.0		107	76	119			
Surr: Dibromofluoromethane		187		200.0		93.4	85	115			
Surr: Toluene-d8		196		200.0		98.2	81	120			

Sample ID	1406068-04AMS	Batch ID:	64042	TestNo:	SW8260C	Units:	mg/L				
SampType:	MS	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 7:22:00 PM		Prep Date:	6/9/2014				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene		0.0218	0.00100	0.0232	0	93.9	68	130			
Benzene		0.0248	0.00100	0.0232	0	107	81	120			
Chlorobenzene		0.0233	0.00100	0.0232	0	100	81	122			
Toluene		0.0274	0.00200	0.0232	0	118	80	120			
Trichloroethene		0.0252	0.00200	0.0232	0	108	70	127			
Surr: 1,2-Dichloroethane-d4		193		200.0		96.7	72	119			
Surr: 4-Bromofluorobenzene		194		200.0		97.1	76	119			
Surr: Dibromofluoromethane		193		200.0		96.4	85	115			
Surr: Toluene-d8		187		200.0		93.3	81	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140609A

Sample ID	1406068-04AMSD	Batch ID:	64042	TestNo:	SW8260C		Units:	mg/L			
SampType:	MSD	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 7:48:00 PM			Prep Date:	6/9/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene		0.0220	0.00100	0.0232	0	94.9	68	130	1.00	20	
Benzene		0.0254	0.00100	0.0232	0	110	81	120	2.43	20	
Chlorobenzene		0.0238	0.00100	0.0232	0	103	81	122	2.29	20	
Toluene		0.0279	0.00200	0.0232	0	120	80	120	1.85	20	
Trichloroethene		0.0253	0.00200	0.0232	0	109	70	127	0.555	20	
Surr: 1,2-Dichloroethane-d4		196		200.0		98.0	72	119	0	0	
Surr: 4-Bromofluorobenzene		196		200.0		98.1	76	119	0	0	
Surr: Dibromofluoromethane		190		200.0		95.2	85	115	0	0	
Surr: Toluene-d8		189		200.0		94.3	81	120	0	0	
Sample ID	1406031-04AMS	Batch ID:	64042	TestNo:	SW8260C		Units:	mg/L			
SampType:	MS	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 8:13:00 PM			Prep Date:	6/9/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene		0.0200	0.00100	0.0232	0	86.3	68	130			
Benzene		0.0228	0.00100	0.0232	0	98.2	81	120			
Chlorobenzene		0.0211	0.00100	0.0232	0	90.9	81	122			
Toluene		0.0252	0.00200	0.0232	0	109	80	120			
Trichloroethene		0.0228	0.00200	0.0232	0	98.3	70	127			
Surr: 1,2-Dichloroethane-d4		193		200.0		96.3	72	119			
Surr: 4-Bromofluorobenzene		201		200.0		100	76	119			
Surr: Dibromofluoromethane		188		200.0		94.2	85	115			
Surr: Toluene-d8		186		200.0		92.9	81	120			
Sample ID	1406031-04AMSD	Batch ID:	64042	TestNo:	SW8260C		Units:	mg/L			
SampType:	MSD	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 8:38:00 PM			Prep Date:	6/9/2014			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene		0.0223	0.00100	0.0232	0	96.0	68	130	10.7	20	
Benzene		0.0254	0.00100	0.0232	0	110	81	120	11.1	20	
Chlorobenzene		0.0236	0.00100	0.0232	0	102	81	122	11.3	20	
Toluene		0.0276	0.00200	0.0232	0	119	80	120	8.79	20	
Trichloroethene		0.0252	0.00200	0.0232	0	109	70	127	10.1	20	
Surr: 1,2-Dichloroethane-d4		186		200.0		93.0	72	119	0	0	
Surr: 4-Bromofluorobenzene		197		200.0		98.7	76	119	0	0	
Surr: Dibromofluoromethane		188		200.0		93.8	85	115	0	0	
Surr: Toluene-d8		191		200.0		95.3	81	120	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140609A

Sample ID	ICV-140609	Batch ID:	R73635	TestNo:	SW8260C		Units:	mg/L			
SampType:	ICV	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 11:23:00 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		0.0483	0.00100	0.0464	0	104	80	120			
1,1,1-Trichloroethane		0.0474	0.00100	0.0464	0	102	80	120			
1,1,2,2-Tetrachloroethane		0.0503	0.00100	0.0464	0	108	80	120			
1,1,2-Trichloroethane		0.0544	0.00100	0.0464	0	117	80	120			
1,1-Dichloroethane		0.0473	0.00100	0.0464	0	102	80	120			
1,1-Dichloroethene		0.0438	0.00100	0.0464	0	94.4	80	120			
1,1-Dichloropropene		0.0499	0.00100	0.0464	0	107	80	120			
1,2,3-Trichlorobenzene		0.0460	0.00500	0.0464	0	99.2	80	120			
1,2,3-Trichloropropane		0.0476	0.00100	0.0464	0	102	80	120			
1,2,4-Trichlorobenzene		0.0479	0.00500	0.0464	0	103	80	120			
1,2,4-Trimethylbenzene		0.0486	0.00500	0.0464	0	105	80	120			
1,2-Dibromo-3-chloropropane		0.0474	0.0100	0.0464	0	102	80	120			
1,2-Dibromoethane		0.0480	0.00100	0.0464	0	103	80	120			
1,2-Dichlorobenzene		0.0478	0.00100	0.0464	0	103	80	120			
1,2-Dichloroethane		0.0468	0.00100	0.0464	0	101	80	120			
1,2-Dichloropropane		0.0570	0.00100	0.0464	0	123	80	120			S
1,3,5-Trimethylbenzene		0.0484	0.00500	0.0464	0	104	80	120			
1,3-Dichlorobenzene		0.0475	0.00100	0.0464	0	102	80	120			
1,3-Dichloropropane		0.0479	0.00100	0.0464	0	103	80	120			
1,4-Dichlorobenzene		0.0462	0.00100	0.0464	0	99.5	80	120			
2,2-Dichloropropane		0.0503	0.00100	0.0464	0	108	80	120			
2-Butanone		0.223	0.0150	0.232	0	96.3	80	120			
2-Chlorotoluene		0.0489	0.00100	0.0464	0	105	80	120			
2-Hexanone		0.227	0.0150	0.232	0	97.9	80	120			
4-Chlorotoluene		0.0498	0.00100	0.0464	0	107	80	120			
4-Methyl-2-pentanone		0.236	0.0150	0.232	0	102	80	120			
Acetone		0.212	0.0150	0.232	0	91.4	80	120			
Benzene		0.0495	0.00100	0.0464	0	107	80	120			
Bromobenzene		0.0481	0.00100	0.0464	0	104	80	120			
Bromochloromethane		0.0472	0.00100	0.0464	0	102	80	120			
Bromodichloromethane		0.0539	0.00100	0.0464	0	116	80	120			
Bromoform		0.0454	0.00100	0.0464	0	97.8	80	120			
Bromomethane		0.0404	0.00100	0.0464	0	87.1	80	120			
Carbon disulfide		0.0445	0.0150	0.0464	0	95.9	80	120			
Carbon tetrachloride		0.0499	0.00100	0.0464	0	108	80	120			
Chlorobenzene		0.0467	0.00100	0.0464	0	101	80	120			
Chloroethane		0.0434	0.00100	0.0464	0	93.4	80	120			
Chloroform		0.0467	0.00100	0.0464	0	101	80	120			
Chloromethane		0.0460	0.00100	0.0464	0	99.1	80	120			
cis-1,2-Dichloroethene		0.0466	0.00100	0.0464	0	100	80	120			
cis-1,3-Dichloropropene		0.0596	0.00100	0.0464	0	128	80	120			S

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_140609A

Sample ID	ICV-140609	Batch ID:	R73635	TestNo:	SW8260C	Units:	mg/L				
SampType:	ICV	Run ID:	GCMS5_140609A	Analysis Date: 6/9/2014 11:23:00 AM		Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dibromochloromethane		0.0491	0.00100	0.0464	0	106	80	120			
Dibromomethane		0.0529	0.00100	0.0464	0	114	80	120			
Dichlorodifluoromethane		0.0458	0.00100	0.0464	0	98.7	80	120			
Ethylbenzene		0.0471	0.00100	0.0464	0	101	80	120			
Hexachlorobutadiene		0.0473	0.00300	0.0464	0	102	80	120			
Iodomethane		0.0373	0.0150	0.0464	0	80.3	80	120			
Isopropylbenzene		0.0509	0.00100	0.0464	0	110	80	120			
m,p-Xylene		0.0962	0.00200	0.0928	0	104	80	120			
Methyl tert-butyl ether		0.0468	0.00100	0.0464	0	101	80	120			
Methylene chloride		0.0467	0.00250	0.0464	0	101	80	120			
Naphthalene		0.0450	0.00500	0.0464	0	97.0	80	120			
n-Butylbenzene		0.0492	0.00100	0.0464	0	106	80	120			
n-Propylbenzene		0.0504	0.00100	0.0464	0	109	80	120			
o-Xylene		0.0484	0.00100	0.0464	0	104	80	120			
p-Isopropyltoluene		0.0491	0.00100	0.0464	0	106	80	120			
sec-Butylbenzene		0.0504	0.00100	0.0464	0	109	80	120			
Styrene		0.0473	0.00100	0.0464	0	102	80	120			
tert-Butylbenzene		0.0508	0.00100	0.0464	0	109	80	120			
Tetrachloroethene		0.0450	0.00200	0.0464	0	97.0	80	120			
Toluene		0.0555	0.00200	0.0464	0	120	80	120			
trans-1,2-Dichloroethene		0.0464	0.00100	0.0464	0	100	80	120			
trans-1,3-Dichloropropene		0.0520	0.00100	0.0464	0	112	80	120			
Trichloroethene		0.0514	0.00200	0.0464	0	111	80	120			
Trichlorofluoromethane		0.0436	0.00100	0.0464	0	94.0	80	120			
Vinyl chloride		0.0449	0.00100	0.0464	0	96.7	80	120			
Surr: 1,2-Dichloroethane-d4		188		200.0		94.1	72	119			
Surr: 4-Bromofluorobenzene		204		200.0		102	76	119			
Surr: Dibromofluoromethane		189		200.0		94.6	85	115			
Surr: Toluene-d8		189		200.0		94.7	81	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

MQL SUMMARY REPORT

TestNo: TX1005	MDL	MQL	TestNo: SW8260C	MDL	MQL
Analyte	mg/L	mg/L	Analyte	mg/L	mg/L
T/R Hydrocarbons: C6-C12	0.700	2.00	1,1,1,2-Tetrachloroethane	0.000200	0.00100
T/R Hydrocarbons: >C12-C28	0.700	2.00	1,1,1-Trichloroethane	0.000200	0.00100
T/R Hydrocarbons: >C28-C35	0.700	2.00	1,1,2,2-Tetrachloroethane	0.000200	0.00100
T/R Hydrocarbons: C6-C35	0.700	2.00	1,1,2-Trichloroethane	0.000200	0.00100
			1,1-Dichloroethane	0.000200	0.00100
			1,1-Dichloroethene	0.000200	0.00100
			1,1-Dichloropropene	0.000200	0.00100
			1,2,3-Trichlorobenzene	0.00200	0.00500
			1,2,3-Trichloropropane	0.000300	0.00100
			1,2,4-Trichlorobenzene	0.00200	0.00500
			1,2,4-Trimethylbenzene	0.00200	0.00500
			1,2-Dibromo-3-chloropropane	0.00300	0.0100
			1,2-Dibromoethane	0.000200	0.00100
			1,2-Dichlorobenzene	0.000300	0.00100
			1,2-Dichloroethane	0.000300	0.00100
			1,2-Dichloropropane	0.000200	0.00100
			1,3,5-Trimethylbenzene	0.00200	0.00500
			1,3-Dichlorobenzene	0.000300	0.00100
			1,3-Dichloropropane	0.000200	0.00100
			1,4-Dichlorobenzene	0.000300	0.00100
			2,2-Dichloropropane	0.000200	0.00100
			2-Butanone	0.00500	0.0150
			2-Chlorotoluene	0.000300	0.00100
			2-Hexanone	0.00500	0.0150
			4-Chlorotoluene	0.000300	0.00100
			4-Methyl-2-pentanone	0.00500	0.0150
			Acetone	0.00500	0.0150
			Benzene	0.000200	0.00100
			Bromobenzene	0.000200	0.00100
			Bromochloromethane	0.000200	0.00100
			Bromodichloromethane	0.000200	0.00100
			Bromoform	0.000200	0.00100
			Bromomethane	0.000300	0.00100
			Carbon disulfide	0.00500	0.0150
			Carbon tetrachloride	0.000200	0.00100
			Chlorobenzene	0.000200	0.00100
			Chloroethane	0.000300	0.00100
			Chloroform	0.000300	0.00100
			Chloromethane	0.000300	0.00100
			cis-1,2-Dichloroethene	0.000200	0.00100
			cis-1,3-Dichloropropene	0.000200	0.00100
			Dibromochloromethane	0.000200	0.00100
			Dibromomethane	0.000200	0.00100
			Dichlorodifluoromethane	0.000200	0.00100

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

Page 1 of 2

CLIENT: Terracon
Work Order: 1406068
Project: Carplex Auto Group

MQL SUMMARY REPORT

Ethylbenzene	0.000300	0.00100
Hexachlorobutadiene	0.00100	0.00300
Iodomethane	0.00500	0.0150
Isopropylbenzene	0.000200	0.00100
m,p-Xylene	0.000600	0.00200
Methyl tert-butyl ether	0.000300	0.00100
Methylene chloride	0.00250	0.00250
Naphthalene	0.00500	0.00500
n-Butylbenzene	0.000300	0.00100
n-Propylbenzene	0.000300	0.00100
o-Xylene	0.000300	0.00100
p-Isopropyltoluene	0.000300	0.00100
sec-Butylbenzene	0.000300	0.00100
Styrene	0.000200	0.00100
tert-Butylbenzene	0.000300	0.00100
Tetrachloroethene	0.000700	0.00200
Toluene	0.000700	0.00200
trans-1,2-Dichloroethene	0.000200	0.00100
trans-1,3-Dichloropropene	0.000200	0.00100
Trichloroethene	0.000700	0.00200
Trichlorofluoromethane	0.000200	0.00100
Vinyl chloride	0.000100	0.00100

APPENDIX E

Geophysical Survey (AEI Environmental & Engineering Consultants, Inc. – June 2014)

NON-DESTRUCTIVE SUBSURFACE INVESTIGATION

FOR

UNDERGROUND STORAGE TANKS

CONDUCTED AT

**330 EAST DIVISION STREET
ARLINGTON, TEXAS**

FOR

TERRACON

JUNE 2014

A-E-I Project # 14054

A-E-I

*Environmental & Engineering
Consultants, Inc.*

1103 Arwine Court, Suite 301
Euless, Texas 76040
817-268-1381
Fax 817-268-1921
www.a-e-i.net
TBPE F-3024



06/16/2014



*Environmental & Engineering
Consultants, Inc.*

*1103 Arwine Court Suite 301 * Euless, Texas 76040 * 817-268-1381 * FAX 817-268-1921 * www.a-e-i.net*

Disclaimer

This non-destructive subsurface investigation was conducted in accordance with accepted practices utilizing methods and procedures used by A-E-I for other projects. The focus of this summary report is limited to the scope defined in the Scope of Services section of this report. No sampling was performed and the product report is limited to best effort made by the technicians and data reviewed from SIR System-2.

A-E-I uses the most effective equipment and methods available, and every effort is made to provide our clients with the most accurate information possible. However, since the results of geophysical and engineering surveys are dependent on the synthesis and interpretation of many variable geological, structural and electromagnetic phenomena; neither A-E-I, nor any of its employees, make any warranty, express or implied, or assumes any legal responsibility or liability for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed. In no event shall A-E-I, its officers, directors, employees, or agents be liable for the negligence or willful misconduct of a client. Client agrees to defend, indemnify and hold harmless, all at its cost and expense, A-E-I, its officers, directors, employees or agents from and against all claims, demands, and losses by, and liability to whomsoever under any and all laws of the State of Texas and the United States of America occasioned by or attributable to the actual, alleged or threatened discharge, dispersal, release or escape of any waste or hazard not detected or found.

TABLE OF CONTENTS

- I. Executive Summary
- II. Purpose
- III. Scope of Services
- IV. Site Description
- V. Investigation
- VI. Results
- VII. Limitations

APPENDICES:

Appendix A – Site Location and Site Sketch

Appendix B – Images

Appendix C – Photographs

Appendix D – Equipment and Qualifications

I. Executive Summary

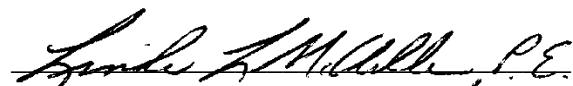
Terracon contacted A-E-I to request a nondestructive subsurface investigation to locate possible underground storage tanks (UST) at Carplex Auto Group located at 330 East Division Street in Arlington, Texas.

On June 16, 2014, Linda McClellen and Tommy Smith performed the subsurface investigation on the above site. Equipment used on this project included a GSSI Ground Penetrating Radar (GPR) using a 400 MHz antenna set to a depth of 40 nanoseconds or about 8 feet. The investigation was conducted outdoors on asphalt. Weather was hot, partly cloudy, light breeze and dry. There was no standing water on the site.

The area of investigation was a rectangular area from the north curb to about 36' south and from the survey pin on the northwest corner to the sidewalk on the east. The scans started at the northwest corner of the property were continued on a 3 foot grid. No UST's were detected in this area. Several spots were located where UST's could possibly have been removed.

See Appendix A for the Site Location and Site Sketch, Appendix B for Images, Appendix C for Photographs and Appendix D for Equipment and Qualifications.

The data was downloaded into an office computer and reviewed for accuracy and details.



Linda L. McClellen, P.E.
President

II. Purpose

As part of an environmental site assessment Terracon contacted A-E-I to request a nondestructive subsurface investigation to locate possible underground storage tanks at Carplex auto group located at 330 East Division Street in Arlington, Texas.

III. Scope of Services

A-E-I was contracted to perform a nondestructive subsurface investigation using ground penetrating radar (GPR) to locate UST's.

The scope of services includes:

- Lay out a 3 foot grid in the area in both a north-south and an east-west direction.
- Scan the ground along the grid lines using GPR.
- The initial scan line will be evaluated to assess the need for filter and gain adjustments.
- Data will be reviewed on site.
- A field log will be kept to record all scans and noting limitations and obstructions on the site.
- Data will be downloaded and reviewed at the conclusion of the field work.
- A final report will be prepared and submitted.

IV. Site Description

The investigation was conducted outdoors on asphalt. Weather was hot, partly cloudy, light breeze and dry. There was no standing water on the site.

V. Investigation

On June 16, 2014, Linda McClellen and Tommy Smith performed the subsurface investigation on the above site. Equipment used on this project included a GSSI Ground Penetrating Radar (GPR) using a 400 MHz antenna set to a depth of 40 nanoseconds or about 8 feet.

The following are site specific investigation details:

- A 3' grid was laid out and scanned in both north-south and east-west directions. Starting at the northwest corner of the property. An area approximately 33' by 133' was scanned.
- The ground penetrating radar initial scan line was evaluated to assess the need for filter and gain adjustments.
- Anomalies detected were rescanned to confirm continuity and develop size and depth information.
- The information gathered was reviewed in the field, noted on the field log, marked on the ground and drawn on a field sketch.
- Data was downloaded into an office computer and reviewed for accuracy and detail.

See Appendix A for the Site Location and Site Sketch, Appendix B for Images, Appendix C for Photographs and Appendix D for Equipment and Qualifications.

VI. Results

- No apparent UST's were detected in the area scanned.
- Several areas were located where tanks might have been removed.
- Numerous utilities were detected in the area scanned.

VII. Limitations

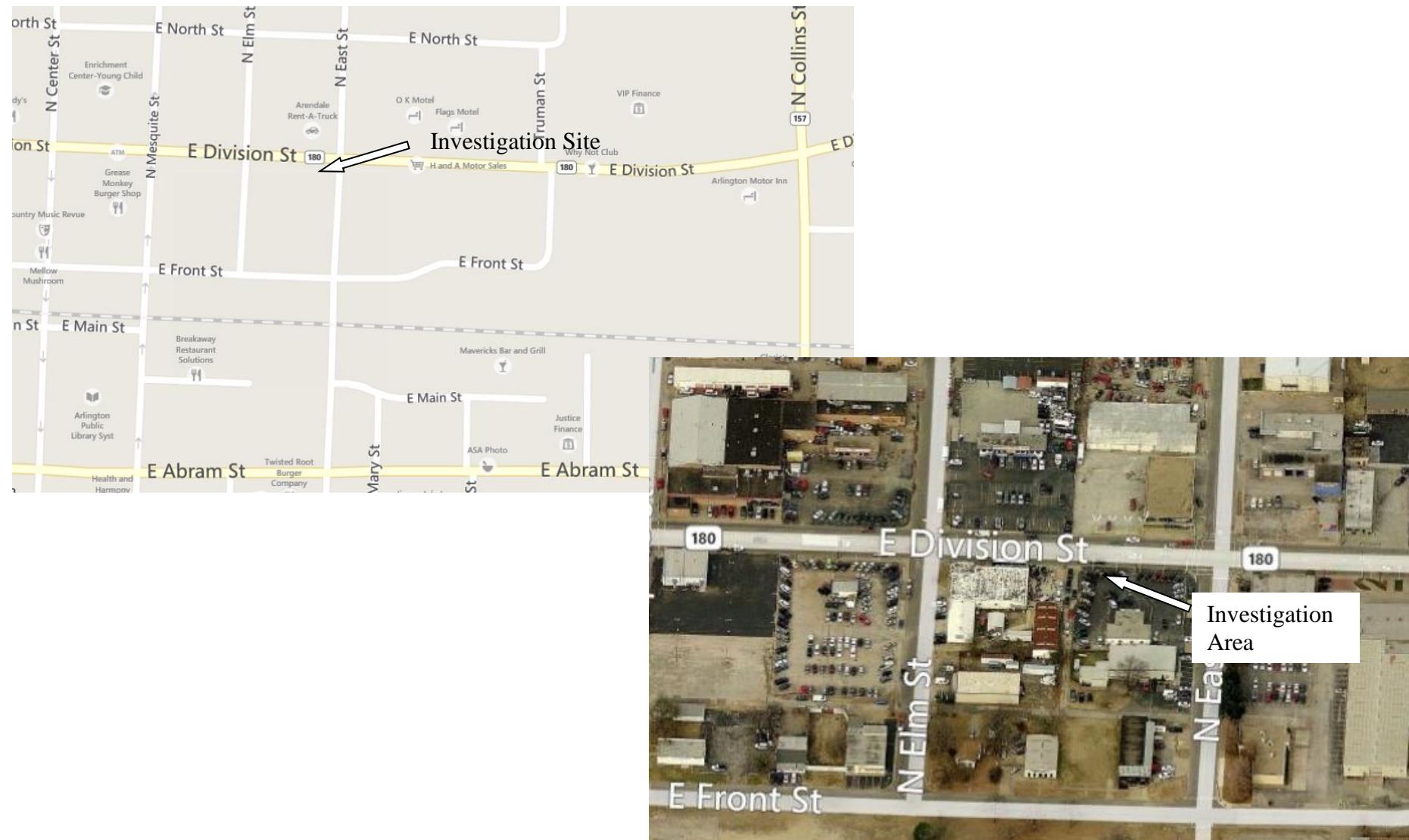
- Ground penetrating radar is limited by size of lines and depth ratio. Radar can detect anomalies at about 1" diameter per foot of depth.
- Vehicles were moved twice for the operation. The west side was cleared first, then the east side.

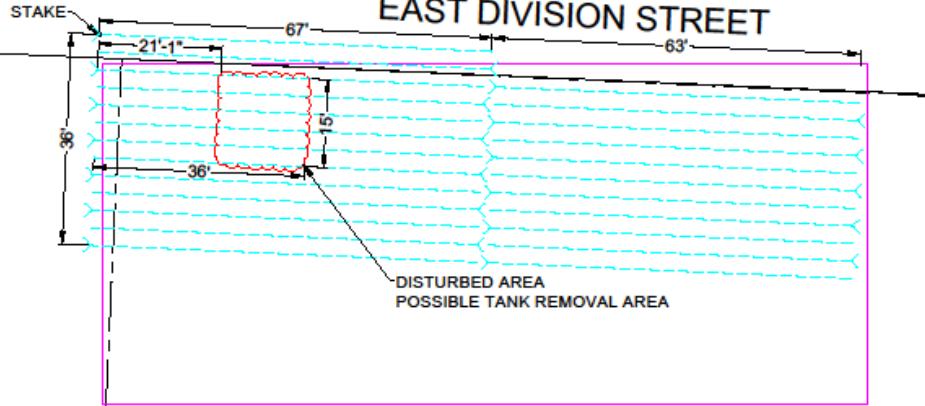
APPENDICES

APPENDIX A
SITE LOCATION AND SITE SKETCH

A-E-I

**GROUND PENETRATING RADAR UTILITY INVESTIGATION
CARPLEX AUTO GROUP - 330 EAST DIVISION STREET- ARLINGTON, TEXAS
SITE LOCATION**





LEGEND

SCAN PULLS

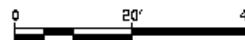


DISTURBED AREA

EAST STREET



PLAN



A-E-I	DRAWN BY RBN	SCALE 1: AS SHOWN	SUBSURFACE INVESTIGATION
	REVIEWED BY LLM	DATE 6-18-2014	CARPEX AUTO GROUP
	SUPERVISED BY : Linda McClellan P.E.	REVISED DATE : K	930 EAST DIVISION STREET ARLINGTON, TEXAS
	PROJECT No. 34054	K	SHEET 1 OF 1 SHEET NO 1



6-18-2014

APPENDIX B

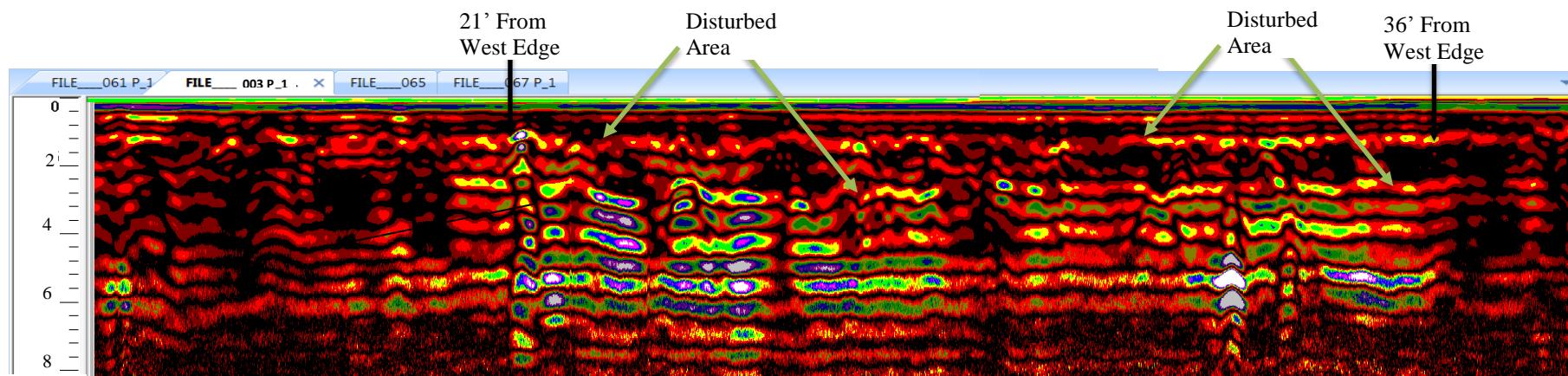
IMAGES

A-E-I

GROUND PENETRATING RADAR UST INVESTIGATION

CARPLEX AUTO GROUP - 330 EAST DIVISION STREET - ARLINGTON, TEXAS

SAMPLE SCANS - Images Are Cross Sections of Area Scanned – Depths are measured in Nanoseconds (nS) and Converted to Feet
400 MEGAHERTZ (MHZ) ANTENNA DEPTH TO 40 nS or ABOUT 8'



FILE 003 – 9' SOUTH OF CURB
WEST TO EAST
2 DISTURBED AREAS – POSSIBLY WHERE TANKS WERE REMOVED

APPENDIX C
PHOTOGRAPHS

A-E-I

GROUND PENETRATING RADAR UST INVESTIGATION
CARPLEX AUTO GROUP – 330 EAST DIVISION STREET - ARLINGTON, TEXAS



Carplex Auto Group in
Arlington, Texas



Looking East across the Survey Area
before the Cars were moved



West Side of the Survey Area



East Side of the Survey Area



Survey Pin Marking the Northeast
Corner of the Site

APPENDIX D
EQUIPMENT AND QUALIFICATIONS

Environmental & Engineering Consultants, Inc.www.A-E-I.net**NON-DESTRUCTIVE SUBSURFACE INVESTIGATION***Three-dimensional Mapping*

A-E-I offers over 22 years experience in non-destructive subsurface investigation and subsurface utility engineering (SUE). We offer experience in technologies including ground-penetrating radar (GPR), thermal imaging, electromagnetic (EM) testing, resistivity testing, magnetometer testing, and camera investigations. There are specific projects that may require a combination of these technologies. A-E-I will evaluate your project and determine the most accurate and cost-effective equipment for the site. In many instances we recommend the GPR due to its versatility and multiple capabilities. A-E-I has factory trained staff to perform the subsurface investigations.

GROUND PENETRATING RADAR (GPR)

Ground penetrating radar system can be pulled across a surface either by hand or by vehicle. The data is transferred from the antenna to an onsite color monitor and data interpretation can often be made immediately. In some cases where small objects or minor changes in ground characteristics are being examined, A-E-I can post-process the data to enhance data and improve interpretation of subsurface conditions.

The system operates by transmitting electromagnetic impulse energy into the ground via an antenna that also receives reflections from subsurface targets. The data is based on the variation in the dielectric properties of the soil types and objects or contamination in the ground. The larger the differences in dielectric properties in the target material and the surrounding soil, the more effective the system works. The GPR does not require that the materials be metallic in order to identify them.

**Applications:**

Utility location: GPR mapping can significantly reduce the potential for digging or drilling into underground piping and power lines.

Structural Evaluation: Locates reinforcing steel, tensioning cables, air voids and faults in concrete. The equipment is safe for use around personnel and computers.

Underground drums and storage tanks: GPR can precisely locate buried drums, underground storage tanks, burial trenches, and boundaries of abandoned landfills.

Locating sites for monitoring wells: GPR can map hazardous waste disposal sites, making it possible to perform accurate site evaluations and allow for optimal placement of monitoring wells.

Site evaluations: GPR can be used to assure that a site is free of subsurface contamination or locate specific contaminated areas.

Geological applications: Changes in the soil, faults and other irregularities can be located without digging or drilling.

Archeological: GPR can be used to help pinpoint location and depth of artifacts, allowing recovery to proceed quickly with lower risk of damage.

Advantages:

- Non-destructive** - profiles objects and natural conditions below ground or embedded in concrete and other manmade materials, without breaking the surface.
- Accurate** - pinpoints exact locations.
- Complete presentation of data** - uses full color video display which can be printed through a computer.
- Versatile** - finds metallic and nonmetallic materials.
- Reliable** - uses most advanced digital technology.

**Limitations:**

- Skilled operators are required* - experience and training are required to interpret data. (A-E-I offers the solution to this limitation.)
- Soil conditions* - High conductivity overburden will limit exploration depth. The system will work up to three feet in depth for virtually any soil type.
- Changes in Soil conditions* – Undetected changes in soil conditions can affect the accuracy of depth readings.